

## the news...

### Mines operating again

Thousands of miners ripped coal out of the ground for the first time in 112 days, an end to the nation-wide soft coal strike of the industry.

Is from across the coal fields showed that men were beginning to return to normal as Mine Workers donned their hardhats, red picks, boarded heavy equipment and went to work for their first payday since the 160,000 union members began Dec. 6.

While negotiations for a new contract for the mine construction workers, employed in 19 mine shafts and other facilities, were going on in Washington, where both sides reported they were in on an agreement.

### strikes threaten New York

**YORK (AP)** — The nation's biggest city faces one of its biggest messes late this week as it faces threatened against its vast rail-and bus system, its most vital commuter railroad and its daily newspapers.

Officials got a temporary restraining order against a transit strike, and there was an injunction against a rail walkout. But galathea have proven ineffective in past confusions.

Just one publisher, the New York Post, intends to continue newspaper production without union necessary. The afternoon Post and the city's morning papers, the Daily News and the New York Times, faced Thursday night contact with 10 unions. Editorial and several craft already have authorized strikes.

### Utah...

### solar power to be developed

**FLAKE CITY (AP)** — Two federal agencies will build the largest solar electrical generating plant in the world at Natural Bridges National Monument in southern Utah, according to Rep. McKay, D-Utah.

\$3 million system — to be built by the department of Energy and Interior — will have about 15,000 feet of solar collectors and will occupy 1.3 acres of the monument's visitor center.

It is said the facility will generate a peak 100 tons of power from sunlight and will be on line by the middle of 1979.

### Utah miners back on jobs

**UTAH (AP)** — Roger Markle, president of the Utah Miners' Association said all seven unions in the state were back in production at the end of the national coal strike. He said he heard of no problems as the state's 2,200 United Mine Workers returned to work.

Utah District 22 President Bill Jones also said he heard of any Utah mine still shut down.

Utah coal spokesman Gary Hansen said the miners he talked to at one of the company's five mines seemed happy to be back to work. He said it took about a week for the mine to be back to production.

### New Hughes' Papers?

**UTAH (AP)** — Papers purportedly belonging to the late billionaire Howard Hughes at Hughes considered paying part of the ransom paid by Patty Hearst's kidnappers, the state of Utah student newspaper reported.

Daily Chronicle said it obtained copies of originally seized by Mexican authorities after the death and whisker later went through a Canine House of Commons member, to a Hughes enthusiast in the northwestern United States, associate in Salt Lake City. None of these persons identified.

newspaper quoted one memo it said was dictating Hughes as saying: "HRH wants to know about the Hearst's problem and has no objection of being of some help so long as it can be done in any publicity. Can Hearst and his family be tied to hold silence?"

### supports controversial series

**UTAH (AP)** — A Hollywood character who is a convert to the Mormon church says "a very positive value" in the television "Soap."

actor, Gordon Jump, plays Police Chief in the series and has also appeared in several productions for the LDS Church.

Les Gibbs of the Mormon church press relationship said Jump's appearance in the series "is a matter of little concern. I really can't see people making a comparison between his 'Soap' and his appearance in Mormon TV."

church spokesman said the church does not dictate to its members on private matters. Jump's chances of appearing in LDS productions likely would not be jeopardized, Gibbs said.

Jump said he does have some criticism of the church and it should be shown at a late hour, but he feels it does have a place on television.

### on campus...

### Wilkinson to get ag award

President Emeritus Dr. Ernest L. Wilkinson given the Grant Speed Distinguished Donor at the Agriculture Recognition and Awards at Thursday.

Wilkinson will be given a small bronze casting by Grant Speed, Dr. Max V. Wallentine, or of biology and agricultural sciences, said Wilkinson donated the down payment for the BYU near Spanish Fork, Wallentine said.

Wilkinson said the banquet can be obtained in 1981. The price is \$4 per plate.

### In the weather...

cast calls for variable cloudiness through Wednesday with a shower or thunder shower in the afternoon. Temperatures will continue warm with highs 65-70 degrees and lows 35-40.

Monday at BYU was 69 degrees, the low 42.

# Science museum opens today

By JULI BUSH  
Universe Staff Writer

The Monte L. Bean Life Science Museum opens its doors to the public today after years of planning, construction and preparation of exhibits and displays.

A dedication ceremony will be held at 10 a.m. in the Marriott Center attended by Monte L. Bean, LDS President Spencer W. Kimball, First Counselor N. Eldon Tanner and dignitaries from BYU. Following a dedicatory prayer, a ribbon-cutting ceremony will be held at the museum front door, officially opening the facility.

The museum houses wildlife trophies from all over the world, a herbarium, live reptiles, classrooms, storage areas, research labs, a library and some of the most extensive life science collections in the Intermountain West.

The collections include Bean's mounted trophies, a penguin collection, sea shells, dried plants, birds and eggs.

The Bean trophies represent the expeditions and excursions by the Seattle businessman and philanthropist, who said that he built the museum to house his animal collection "so others could learn about them."

## Happy Birthday President Kimball

Mormon church President Spencer W. Kimball will spend part of his 83rd birthday today on the BYU campus.

It's work as usual for President Kimball, according to Don LeFevre, LDS public communications director. He'll work in his office in the morning, and then travel to Provo for the 10 a.m. dedication of the Monte L. Bean Life Science Museum in the Marriott Center.

After the dedication activities, he will return to his office in the afternoon for more work.

LeFevre said President Kimball will celebrate his birthday with his family later tonight. They will hold a birthday dinner at home.

Monte Lafayette Bean began as a bookkeeper with Skaggs grocery stores, and now owns Tradedwell stores, Pay 'n Save Drug Stores, Sportland-Sports West sporting goods stores, Lamot's Apparel Stores and the Ernst-Malmo Home Centers.

He decided to finance the museum after finding that the Heber J. Grant building, (the former Life Science Museum) was too small to adequately display his trophies and the university's life science collections.

## Heritage Edition

Today's issue of the Daily Universe features stories and photographs focused on the dedication of the new Monte L. Bean Life Science Museum at BYU. Stories in the first and second sections center on the museum and its position in the academic life of the University.

The third section explores the scientific heritage of BYU in its first century.

Dr. Wilmer W. Tanner, professor emeritus of zoology, has been named director of the museum. Dr. Donald Allred, BYU zoology professor, and Dr. Joseph R. Murdock, BYU botany and range science professor, have been appointed associate directors.

Six curators were chosen to collect and display insect, plant, bird, mammal, fish and reptile specimens. Artists, designers, taxidermists, and illustrators were hired to prepare the museum exhibits.

The main functions of the museum are research and community service, according to Paul C. Richards, BYU director of public communications. Tanner said the museum would provide "faculty, stu-

(Cont. on p. 8)



The multi-million dollar Monte L. Bean Life Science Museum will be dedicated today at 10 a.m. in the Marriott Center. It will be open to the public for tours.

## Highway deaths in Utah linked to inflation, decay, lack of courtesy

**Editor's note:** This is the first in a series of three articles on the problems of building and maintaining Utah highways, as well as some safety factors that contribute to a rising traffic death rate in the state.

By PAT BROWN  
Universe Staff Writer

Inflation and decay are crippling the state highways.

At least that's what officials of the Utah Foundation and the Utah Department of Transportation (UDOT) are saying. According to representatives of these two agencies, the increasing numbers of deaths on the highways can be linked to decaying roads, worn-out vehicles, and an erosion of driver courtesies, including speeding and the drinking driver.

Allan Witt, director of research for the Utah Foundation, a privately owned organization concerned with the

interests of Utahns, said inflationary costs have hurt UDOT in its ability to keep the roads maintained and to teach drivers courtesies.

"UDOT simply can't keep up with the costs of maintaining their services," he said.

Byron Penrod, director of the Department of Highway Safety, a division of UDOT, said deteriorating highways and declining vehicle efficiency are problems, but the drinking driver and the habitual traffic violator cause the most accidents.

Steps are being taken by UDOT to alleviate the problems of the highways with the funds on hand, according to Penrod. To do this, UDOT determines the high risk areas in Utah and allocates federal and state monies to the maintenance of those areas.

"We want to make the roads as safe as we possibly can for the average driver," Penrod said. "This sounds

bad, but we more or less put a price on a person's life. Our first concern is the areas where the most accidents occur. We want to cut down on the number of accidents which will take lives," he said.

Penrod said monies also alleviate problems which can't be placed in a specific category. One such problem is that of the drinking driver. One of the highest causes of fatal accidents in Utah during 1976 was alcohol, according to Tony Cox, director of the Driver's License Division of the Department of Public Safety, a division of UDOT. Each year, between 39 and 50 percent of accidents involve persons who have been drinking, according to Cox.

Penrod said that in 1977 sample groups of the population were stopped on the highways to determine how many of the drivers were drinking just

(Cont. on p. 4)

## Japanese protesters forced out by police

**TOKYO (AP)** — Police using a crane and protected by high-pressure hoses took over a blockhouse-tower complex Monday, arresting protesters who rioted all weekend trying to block the opening of Japan's new \$1 billion Narita airport.

The protesters had built their complex on private land, a 60-foot tower atop a four-story blockhouse, designed to obstruct the flight path of the airport's only completed runway.

About 40 protesters had been held up there since Saturday, holding off police with firebombs, rocks and steel arrows fired from huge slingshots.

Monday, police climbed a crane boom and took four demonstrators off the tower.

They then cut into the side of the blockhouse, which has doors and windows only in the top, and arrested six more.

Police said there may be a tunnel complex through which other protesters escaped.

Airport foes include environmentalists, farmers who were forced to sell their land for use by the airport and leftists who say it may be used for military purposes. They have vowed to fight until the airport is abandoned.

Their weekend of rioting may have succeeded in postponing opening ceremonies scheduled for Thursday at the airport 41 miles north of Tokyo. The Japanese cabinet was to decide Tuesday whether to put off the opening.

## Carter asks for \$8.3 billion

## City revival plans outlined

**WASHINGTON (AP)** — President Carter urged a major overhaul of federal programs Monday as part of his \$8.3 billion strategy to help cities cope with conditions ranging from economic decay to sprawling growth.

"The promise of cities, which for many was the promise of America itself, has dimmed for people at all economic levels," says a White House urban paper.

Key elements of the long-awaited Carter plan include creation of a National Development Bank, establishment of a handful of job-creation schemes, and several proposals to direct federal urban aid to states and neighborhoods.

### Immediately criticized

The Carter policy was immediately criticized by Lee Alexander of Syracuse, president of the U.S. Conference of Mayors, who said the policy is, "a significant step in the right direction, but contains too little in new funds and raises new questions about the role of local government."

While praising the proposal to create a development bank, he expressed concern over programs that direct aid to states and neighborhoods rather than to city hall.

The Carter proposals involve practically every Cabinet department, including the Pentagon, as well as four agencies. The president proposed 160 Carter's \$8.3 billion proposal for fiscal 1979 would authorize new spending of \$2.7 billion. In addition, it would provide \$1.7 billion in interest subsidies to stimulate business activity over 30 years, \$1.7 billion in tax reductions to stimulate business and job development and \$2.2 billion in loan guarantees.

An estimated \$85 billion in federal funds already goes to state and local governments.

For all cities

"This is a program for large cities and small cities; for distressed cities and for cities out to avoid distress," said HUD Secretary Patricia Harris, who guided development of the policy.

Administration officials say the policy should reverse years of neglect in which federal policies have often inadvertently subsidized urban sprawl and stunted central city growth.

One feature of the Carter plan — a requirement that agencies prepare an urban impact analysis of all proposed programs — was described by Secretary Harris as "the most important decision adopted by the president."

### Government-wide effort

Among the other changes is a Pentagon commitment to target purchasing into distressed areas and a government-wide effort to triple purchasing from minority-owned businesses.

Other elements of the urban plan include a series of urban initiatives at the Environmental Protection Agency. The EPA also will assist cities in meeting clean air and clean water standards, and will help urban firms meet emission requirements.

## Y takes action against employee

Action has been taken against the BYU employee who stole a controversial film last week, but the details will remain confidential.

Bruce Clark, dean of the College of Humanities, said Monday, "We have resolved the matter and taken action. President Oaks instructed me that action the university takes with respect to any employee is confidential."

Clark added, "He has not been dismissed and will not be dismissed."

Dale S. King, director of the College of Humanities Advancement Center, approached a student at the Middle East International Week booth last Monday and said he had permission from another faculty member to take a film on Palestinian refugees. He gave a false name and false Social Security number. The film was later recovered by BYU Security/Police.

Paul Richards, director of BYU Public Communications, said last week the deans of the Humanities and Social Sciences Colleges would meet "to investigate the situation and determine a course of action."



Universe photo by Robert Harris

## BYU updates broadcast facilities

A 33-foot satellite receiving dish is hoisted into place on its pedestal at the BYU farm near Spanish Fork. The new equipment will link KBYU-TV to Weststar 1 of the Public Broadcast System.

(See story page 2)



Not satisfied

# Faculty voice opinions on new G.E. program

By BEKY QUINTERO  
Universe Staff Writer

Editor's Note: Following the publication of last week's series of articles on general education, the Universe received a letter from a faculty member who expressed some dismay at the direction BYU's program is taking. Previously, no faculty member contacted was willing to be quoted in the paper, so their comments were not used in past articles. This professor was not only willing to be quoted, but also knew of others who would talk to the Universe "on the record." This article gives their viewpoints, and also some of those previously gathered.

It isn't necessary to talk to very many faculty members to discover that there is no consensus on general education at BYU. However, said Garold N. Davis, professor of German and Comparative Literature, "this is not very surprising, since there isn't even agreement among the members of the General Education Committee."

Davis has long been concerned with general education changes nationally, and he has been involved directly with changing a program at a large Colorado university before coming to BYU. He feels the new program is heading in dangerous directions.

He cited the trend towards a course "amorgasbord," especially in Category III, as evidence. He said general education here will become "a valueless program, if students can choose what they want."

He recognizes that students often resist the idea of having the school design their education, but to him this is absurd because students "want to control education before they know what it is."

His chief criticism is that the present program makes no value judgments on what is important for a generally educated person to know, and thus is becoming amoral. He cites Category III as an example.

"Originally, Category III was supposed to be a language or math tool; the criteria was that it develops a skill which could be applied anywhere." Thus, he said, "we established a moral base, but we made it valueless by allowing everyone to contribute a new course. We are moving towards infinity."

Even in Category II there are 87 choices with "no structuring," he said. There is a need to identify which courses are most important "for a student to take, Davis asserts. "If students can complete a requirement by taking a cinema appreciation class instead of a challenging humanities sequence, they can look back and say it isn't valuable."

Davis said some value judgments and arbitrary decisions are going to have to be made if the ideals of general education are ever to be met.

R. Douglas Phillips, professor of Greek and Latin, defines the problem slightly differently. "One of the biggest confusions we have in the United States is defining the difference between

ween education and training," he said. "Students come here with the idea that they ought to be trained for a job. Very few know what a general education is."

"My son was a freshman last year, and he was frankly scared," Phillips said. "He just didn't know what to take, and didn't know what to do because the faculty were not involved in counseling." On the whole, Phillips feels the faculty have defaulted in this respect by not providing the guidance many students want.

He sees a danger in "allowing anything to become general education. Education is the ability to judge, and (quoting from a philosopher) in order to judge, one must have experience in the highest values," he said. The implication is that one doesn't get such experiences just anywhere.

He feels the most valuable part of education is not the part that gets a student hired, but rather those "experiences of the best" which give individuals the standards to judge by.

Phillips feels the program ideally should be "a balance between the old authoritarian system and the new student freedom. It must be prescribed within limits." Otherwise, it can never hope to fulfill the goal of teaching intellectual discipline.

Arthur H. King, professor of English, said what general education ought to do is "inculcate the ability to read, write and number." He pointed out that people at BYU are "as anxious to inculcate information as skills," with the information often being left behind as soon as the exam is over.

"There are a number of people who recognize that evaluations to test skills are needed," he said. He feels, however, that information retention is not encouraged enough. "The more you have to keep up both skills and (amount of) information, the better chance you have to retain both for a lifetime."

He favors the approach used in many European schools, where a final senior examination requires students to recall knowledge from all stages of their undergraduate education.

One faculty member, who declined to be identified, said, "I don't like the new program. It is, frankly, a pain in the neck to have to worry about preparing my students for an exam someone else makes up, which I may not even see until the day before they have to take it."

Other general conclusions suggest themselves from various faculty responses. The faculty do not fully understand the new program; many need to be converted to general education. The responsibility for making value judgments on course offerings has been deliberately shifted. Many would rather grudgingly go along with the new program than take a public stand against it.

As long as these attitudes persist, little progress can be expected towards the ultimate goal of a viable, valuable program turning out truly educated minds.



Universe photo by Doug Flamm

## Orphan lamb finds home with dean

This lamb, named "Easter" was given to Dr. G. Edward Nelson, chairman of the business education department by the department secretary, Susan Jones, from Casper, Wyo.

"Easter" is a "bum lamb," which means he will have to be fed from a bottle until he is old enough to look after himself.

## Television

# KBYU joins satellite

KBYU installed a satellite receiving dish Monday at the BYU farm south of Spanish Fork.

The equipment is part of a new system connecting KBYU to the Public Broadcasting Service (PBS) by satellite, said Ralph Silver, chief engineer for KBYU-TV and FM.

The system should be completed around Oct. 1, Silver said. The dish, approximately 33 feet wide, was assembled on the ground and then hoisted by crane onto its pedestal. "It looks like a giant soup bowl," he said.

The first satellite used by KBYU will be Weststar 1 which is owned by Western Union. PBS has a contract to use four channels of the satellite, said Silver. KBYU is an affiliate of PBS.

One of the main advantages of the new system, said Silver, will be higher quality signals. "We'll be able to have full range audio as well as TV. Currently the signal travels through repeating stations every 30 miles. With the new system, the signal will travel directly to the satellite and back to earth again," Silver said.

Another advantage will be the increase in program possibilities he said. KBYU will have the option of picking up one of four channels at any time. This will enable the station to have different programming than other PBS stations in the area such as the University of Utah's KUED. At present, KBYU is only able to pick up one PBS station which it receives over telephone lines, said Silver.

## Security alerted

# Easter antics 'bomb'

Ceeds should be careful about leaving Easter egg treasure hunt clues in men's restrooms.

At least, that's what a group of women from the 101st Branch found when one of their clues was mistaken by BYU Security as a bomb threat.

The whole affair started quite innocently when the women hid clues and eggs for a treasure hunt in various places in the Widtsoe Building, planning to return that evening with their dates for an Easter weekend activity.

Trouble brewed when BYU Security was called to investigate the cause of some smoke on the first floor of the same building. A janitor found a curious note in one of the first floor men's restrooms during the investigation.

The note read, "I shouldn't have done it, but I did."

Steve Boud, one of the group who

arrived later to look for the egg, the note and the smoke led investigating officers to the corner that something was awry. "They tried to search for a bomb," he said. "The woman who wrote it meant she shouldn't have gone bathroom to leave the note, but anyway," he explained.

After finding the clue, according later report by the officers to them they started searching for a bomb. They uncovered more clues. They were lucky and found a couple of toilet.

The officers started to catch finding additional clues and cause of the smoke was discovered. "Some sort of appliance overheated and started to Boud said.

"They were really nice about whole thing," he added. "At they found all the clues we gave the prize — a bunch of carrots

## Journalism society elects

Fifty-nine students in the Department of Communications have been elected members of Kappa Tau Alpha, a national scholarship society in journalism and communication.

Those students among the top scholars among the 895 communications majors on campus, Dr. Oliver R. Smith, national council member, said. The 59 students will be inducted into the society at the annual Communications Awards banquet April 4.

The students who will be inducted are: Michael G. Agrellis, Allison K. Barney, Kevin G. Barnhurst, Norma M. Bean, Maureen Burrows, Ravell R. Call, Merilee Carpenter, Mary C. Christensen, E. Rich Collins, Susan A. Cutler, Eric R. Day, L. Carlin Eldredge, Edwin T. Eynon and Sheri Byre.

Also listed were John C. Felshaw, Sandra Glauser, Nicholas A. Goodman, Colin Gromatzky, J. Kimball Hansen, Thayne R. Hansen, James T.

Jarston and Kenneth E. Harvey. Val O. Holley, Dynette Ivin, W. Jackson, David Brian Johnson, McKay Johnson, Gordon P. J. Geraldine Johnston, Step Johnson, Jill Jones, Oli Kieboorn, Franklin C. Kitter, Krieger, and Laurie Lamb. Also elected.

Also included were Rol Matthews, Evan D. McColly, W. Nelson, Robert R. North, Paul D. Peterson, Donna, Steven J. Pynes, Kimber, and R. Sherman Robinson. Julia A. Schleicher, Je Scott, Mark E. Severts, M. Smith, Donald S. Smurth, Yvonne Scafe, Marilyn E. Rosanna, Stewart, Jane M. R. B. Sweeney and Kent were also named.

Other members include I Webb, Nancy Hinsdale Will, Mark Woodard.

## Century 2 copies ready

The "Winter 2" issue of Century 2 will be available through Friday between 10 a.m. and 4 p.m. in the Reception Center, ELWC.

Subscribers should pick up their copies this week, according to Susan Pynes, Century 2 executive secretary.

Individual copies of the BYU journal will also be sold along with copies of the poster, "The Parable of the Final Exam."

Students interested in submitting manuscripts to the student journal can pick up submission forms at the ASBYU offices on the fourth floor of the Wilkinson Center, in A-246 JKBA or at most college advisement centers on campus.

## The Daily Universe

The Daily Universe is an official publication of Brigham Young University and is published as a cooperative enterprise of students and faculty in the Department of Communication.

The Daily Universe is published Monday through Friday during winter semesters except during vacation and examination periods. The Daily Universe is published Tuesday and Wednesday during summer semesters.

Opinions expressed in the Daily Universe do not necessarily reflect the views of the student body, faculty, university administration, Trustees of The Church of Jesus Christ of Latter-day Saints or the University of Utah.

Subscription prices \$18 per year. Editorial and advertising offices: 538 Ernest L. Wilkinson Center and classified advertisement office: 117 Ernest L. Center. Printer: Brigham Young University Press Printing Service.

Managing Editor—Yvonne Johnson  
Advertising Manager—Douglas C. Jones  
News Editor—Kent Rappleye  
Copy Editor—David Long  
Photo Editor—Bradley Sheppard, Baseline Cobbelli  
Media Magazine Editor—Ferry Barrett  
Sports Editor—Joy Rose  
Editorial Page Editor—Jane Sutton  
Entertainment Editor—Daryl Gibson  
Assistant News Editor—Grace Whitaker  
Assistant News Editor—Debra Boethe  
Assistant News Editor—Sibel Alder  
Assistant News Editor—Norma Bean  
Assistant Copy Editor—Vicki Vanie  
Assistant Copy Editor—Dawn Allen  
Assistant Monday Magazine Editor—McKay Johnson  
Assistant Sports Editor—Dick Harman  
Assistant Photo Editor—Robert Harman  
Night Editor—Janetha Wilkinson

## Culture booths win awards

The Brazilian cultural exhibit won first place and the "Colossus of the Universe Award" in last week's 1978 International Festival.

Ben F. Donoho, associate adviser of the International Students Office said the Thai students' exhibit placed second, winning the "Grandest of the Earth Award." The third-place, "Worldwide Super Award," was presented to the South African display.

The displays for Canada, Mexico and the Middle East were awarded "Honorable Mention."

The awards were presented during the performance of the Internationals entertainment group Friday night.

Judging was based on originality, uniqueness, educational qualities, entertaining qualities, friendliness, costume modeling, costume display, showmanship, inviting qualities and interest qualities.

In addition to those winning "Honorable Mention," several cultural exhibits won "Awards for Exhibit Excellence," including New Zealand, Scandinavia, Germany, Netherlands, China, Peru, Costa Rica, Bolivia, Paraguay, Japan and Polynesia.



Zales Easter Parade!

Tuck shimmering opal butterflies in her Easter Basket — they're spring fashion excitement!

- a. Opal ring, 14 karat yellow gold, \$90
- b. Opal stickpin, 14 karat yellow gold, \$85
- c. Opal pendant, 14 karat yellow gold, \$80

Charge it!

Open a Zales account or use one of five national credit plans. Zales Revolving Charge • Zales Custom Charge • VISA • MasterCard • American Express • Diners Club • Carte Blanche • Layaway

**ZALES**  
The Diamond Store

UNIVERSITY MALL 224-0521

# CREATIVE DATING SPECTACULAR



SEE THE GUYS MATCH WITS WITH THE GALS

**THE DATING GAME**  
APRIL 7th ELWC 7:30pm



# Great Families Grown Here.

Carillon Tower's tulips are tremendous. The Maeser building's marigolds are memorable and the evergreens everywhere inbetween are elegant. All of which is nice. But when the time comes for you to leave the BYU campus and to think about other growing things, we would like to plant this idea: Great families are grown in Provo, Utah.

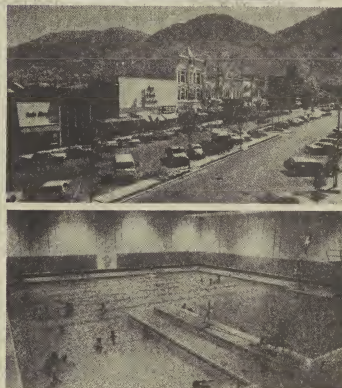
Mothers and fathers and children do well here in the protective presence of Timp. That's because Provo's climate is right. Here, families are welcomed and wanted. They have room to grow in. Social conditions are warm and friendly. Cultural opportunities blossom all around. And spiritual roots go deep.

Moreover, there's a growing supply of schools, parks, playgrounds, and attractive neighborhoods—the very things that families thrive on.

Provo parents are almost as hardy as their children. Last year they donated thousands of hours to make their community even more productive. They were everywhere—fund raising for the PTA, staffing polling places, counseling scouts, pitching in at the senior citizens' center.

And because families do well in Provo, so too, do other valued institutions, including business and industry. Today Provo is on the move. We have 100 industries of all kinds and sizes—everything from a stuffed-animal manufacturing company to an industrial research laboratory to a world-famous energy development corporation. Best of all, there's space for more in this clean, uncrowded city.

Yes, Provo is a place for growing great families—and for keeping them busy. Remember that, when you're looking for a place to call home.



## PROVO CITY

The Family Place

### PROVO CITY COMMISSION

JAMES E. FERGUSON  
Mayor

J. EARL WIGNALL  
Commissioner

ANAGENE D. MEECHAM  
Commissioner

H. BLAIN HALL  
City Auditor



# Redford speaks at Y, airs political views

By CYNDEE ROYLE  
Universe Staff Writer

Robert Redford, speaking to a BYU current affairs class Monday, encouraged students to be more demanding of political leaders and to find out what is really going on behind the issues.

Redford, an active lobbyist on energy conservation, clean air and numerous other environmental issues, said young people should be aggressive about asking their leaders questions instead of just listening to the "speeches they've given 25 miles down the road."

"The times that I've been in Washington, the general view for the principal part of the Utah delegation is one of embarrassment, particularly of Hatch and Garn," Redford said. "They really do feel that Garn is a fool and that Hatch is dangerously slippery and that neither one of the two men are men of particular substance."

Redford said he feels Senator Garn acts like "a man who behaves like he is very, very threatened by a lot of people and a lot of things. Any man who is that bombastic and speaks so mindlessly and treads so roughly on human rights, is a man who must be afraid of something."

He added, "He's certainly not a very intelligent man politically in my book. He's not a man who is very up on the issues and the evidence of his positions speak for that."

Redford said, "If it's possible to be more right (conservative) than Garn, Hatch is it. It's people like Garn who are out accusing people like me of being radical, but in truth he's far more

radical than I am. He doesn't listen to another point of view."

"There was a great respect for Moss," Redford said of his experiences in Washington. "Moss was essentially a man who, unfortunately at voting time, got frightened and who became weak. But he was a good man and he did some good things and there was respect for him in Washington."

"There's a certain amount of respect for McKay," he added. "McKay is a man who is thoughtful and rather deliberate. Some people may say too deliberate."

Redford said he doesn't like either political party. "I have as much to criticize in the Democrats as I do in the Republicans. I really choose to vote the issue and the man."

He expressed a concern that options aren't put before the public for consideration on certain issues.

"We all have the right, those of us who are bringing children into the world or are planning to, to try to make it a safe, decent place to live. If it means taking on traditional values such as ranching and farming in the communities, then that's pretty much what I'm committed to do."

Redford, who said he feels he has been tagged with a radical image he doesn't deserve, said, "The concerns I have are the same concerns you have as a voting resident, such as the quality of life we'll be living in the future."

He explained that he lives in the Utah Valley because it is a "refuge" and a place of privacy for him to raise his family. The valley is one of the "few remaining places that has traditional values."



Robert Redford speaks to a BYU current affairs class on campus Monday. Universe photo by Michael Lund

## In Utah

### •Traffic deaths increase

(Cont. from p. 1)

before they started driving.

"The tests were taken at different time intervals in highly populated areas of the state's highways," he said. "We requested that the driver take a voluntary breath test to determine how many have been drinking. Of the 800 persons stopped in the state, 17 to 18 percent had been drinking prior to driving."

Cox, of the Department of Public Safety, said increased speed on the highway is the other major cause of accidents in Utah. This was the cause in accidents in slightly more cases than alcohol in the past 10 years.

Because of survey results, the Department of Highway Safety surveyed fatal accidents to see if a correlation exists between speed and chances of fatalities. Roy Byrd, director of Roy Byrd and Associates, a privately owned testing group which worked on contract for UDOT, said a positive correlation between speed and traffic fatalities was found in a series of tests.

"This correlation is due to the increased deceleration of the vehicle which has a higher velocity and suddenly stops," he said. He noted

though, the probability of crashes increases as the vehicle deviates from normal traffic speed.

In his report to UDOT, Byrd said that the number of fatalities increased as the average speeds on the highway increased. The year with the greatest number of fatalities (1972), also had the highest average speed on highways (61.3 mph).

Penrod said the oil shortage in 1974 created a dramatic change in the number of fatalities. It forced people drive fewer miles and encourage 55-mile per hour speed limit, reduced traffic fatalities by 30 percent, he said.

This was only temporary, though. Penrod said, "In 1977," he said, "there was a 30 percent increase in fatalities in Utah. This might reflect the increase in speed."

Penrod believes drivers in 1978 not as concerned about the crisis as they were in 1974 and heavier feet on their gas pedals.

The UDOT survey in 1977 showed the number of persons driving 80 on Utah highways increased 10 percent over 1976.

Tomorrow: The problem drives

## For mass transit

### Tax election called

A special election to consider a quarter-cent sales tax increase to fund mass transit was approved by the Provo City Commission Monday morning.

The election was tentatively set for May 23, provided money can be found to finance the election itself.

A John Clarke, chairman of the Timpanogos Transit Authority (TTA), told the commission the TTA would organize and publicize the election, but City Auditor H. Blaine Hall said the election would cost the city approximately \$8,000. Hall said the money was not budgeted and would have to be funded from unexpected monies in the present budget.

Commissioner Anagene Meechan volunteered to check procedures and find out the exact cost of the election.

Orem residents will also vote on the issue and the TTA wants to have the elections run simultaneously. The Orem City Council will discuss the election in its meeting Tuesday at 7 p.m.

Clarke and Merrill Gappmayer, TTA vice chairman, appeared before the Provo Commission to request the election and also to present a timetable of events that will take place prior to the election.

Gappmayer said the TTA must be fully operational by Oct. 1, 1978, to meet guidelines to match an \$800,000 federal grant on an 80-20 basis.

"By Oct. 1 we must have our funding approved and submitted to the federal government," he said. "On Sept. 15 our bids on equipment will have to be awarded." He said bids would be opened Sept. 1 and plans for operating the transit system would be reviewed and approved by federal and state authorities in August. On July 1, the final phase of the transportation plan must be completed, Gappmayer said.

Clarke said the timetable leaves little time for promotion and "a great deal of work" would be required to inform the voters of the election.

"June is the time most people take vacations and we want as many people as possible to participate in this decision," Clarke said. "We simply want to do what the people want, and if they turn down funding of the project, then it is dead."

Clarke and Gappmayer told the commission a decision on what type of transportation will be offered has not been made yet. He told the commission they were considering a smaller service with a capacity for expansion at a later time.



Over the past 32 years, Massey Studio has helped many couples with their wedding plans. Your choice of outdoor or studio settings for your engagement or wedding portraits. Now is the time to make your reservations to have candid temple and reception pictures taken. See page 128 of the Student Directory for a sample of Massey Studio's color photography.

## MASSEY STUDIO

150 South 100 West, Provo  
373-6565 / 377-4474

# THIS IS "PERSONALITY" RADIO

## KFTN RADIO 14

William Conrad, star of TV's "Cannon" is the original Marshall Dillon in complete 1/2 hour programs

Jack Webb stars as Sgt. Joe Friday in complete 1/2 hour programs

ONCE AGAIN...  
**The Green Hornet**  
BRINGS CRIMINALS TO JUSTICE  
The Original Network Radio Series  
**BACK ON THE AIR**  
with complete half-hour program for the whole family!

Carpenters  
Waylon Jennings  
Barry Manilow

The Original Network Radio Series  
**GANG BUSTERS**

PRESENTED WITH GRATEFUL APPRECIATION TO  
**CHRIS McGUIRE AT KFTN**  
FOR BREAKING THE HIT SINGLE  
LUCKENBACH, TEXAS

THE BEST OF  
**SHERLOCK HOLMES**  
outstanding radio series  
SIR JOHN GIELGUD  
as Sherlock Holmes  
SIR RALPH RICHARDSON  
as Watson

Here once again the crash of Fibber's overinflated blimp at 70,000 feet!  
**FIBBER MCGEE & MOLLY**

**THE SHADOW**  
returns

**THE SHADOW**  
returns

**THE SHADOW**  
returns

**THE SHADOW**  
returns

Eric Clapton  
Bill Anderson  
Dolly Parton  
Willie Nelson  
Mel Tillis

Anne Murray  
Elvis

Don Williams  
Neil Diamond  
Marie Osmond

Glen Campbell  
Mac Davis  
Roy Clark  
Paul Simon  
Rita Coolidge

Johnny Newman  
Mary McGreevey  
David Lister  
Donna Fargo  
Barbie Hershey

Charlie Davis  
Linda Ronstadt  
Kenny Rogers  
Crystal Gayle  
John Denver

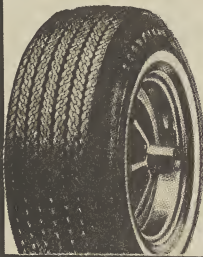
## LISTEN, AND WIN!

# KFTN RADIO 14

WE ARE AT 1400



# GRAND OPENING



## Polyester Whitewalls

B78-13	25.88
D78-14	26.88
F78-14	29.45
G78-14	29.90
H78-14	32.90
G78-15	29.90
G78-15	29.90
H78-15	32.90
L78-15	33.45

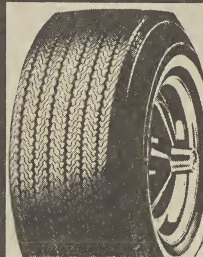
F.E.T. 1.77 to 2.93

## FREE!

### Refreshments & Door Prizes

Stop In Today... For The Celebration, For The Values, Or Just For Fun. Bring The Family ... You're All Invited!

SALE ENDS APRIL 3rd



## Glass Belted Whitewalls

B78-13	26.79
E78-14	29.95
F78-14	31.80
G78-14	32.90
H78-14	34.90
F78-15	31.80
G78-15	32.40
H78-15	35.07
J78-15	35.95
L78-15	37.90

F.E.T. 1.71 To 2.77



## Goodyear G800's 40,000 Mile STEEL BELTED RADIAL for Sport And Imports Six Popular Sizes

# \$33

Regular Price 40.10 to 56.15 + F.E.T.

## Passenger Car Retreads

# \$14<sup>95</sup>

Blackwalls Plus Capable Casing and F.E.T.



## Goodyear's Best 40,000 Mile STEEL BELTED RADIAL IN TWO POPULAR SIZES

GR78-15 & HR78-15

# \$49

Custom Polysteel Whitewall Regular Price 82.20 & 88.30 + F.E.T.

## FREE New Valve Stem with Tire Purchase

## FREE Service Guarantee Policy

## WIDE TREAD SALE For Vans, 4 Wheel Drives, Campers, RV's & Light Trucks

NOW THROUGH SAT. NIGHT



# \$43

800-16.5 TL, Load Range C, Plus \$3.50 F.E.T. Per Tire

## Rib Hi-Miller Wide Treads

Size & Type	Load Range	SALE PRICE	Plus No Trade Fee
800-16.5 TL	D	\$49.00	\$3.45
875-16.5 TL	C	\$54.00	\$3.71
875-16.5 TL	D	\$59.00	\$3.94
950-16.5 TL	D	\$63.00	\$4.48

## FREE SNOW TIRE REMOVAL!

## GOODYEAR LIGHT TRUCK SPECIAL RIB HI-MILER

700-15	\$35	750-16	\$36
6 ply		6 ply	
750-16	\$42		
8 ply			

+ F.E.T.



## FREE DOOR PRIZES

- 1st 3 Speed Huffy Bicycle
- 2nd Set Monroe Shocks
- 3rd Goodyear Racing Jacket
- 4th Goodyear Racing Jacket
- 5th Goodyear Racing Jacket
- 6th Goodyear Racing Jacket



## The Going's Great On This Heavy-Duty Double Belted Tire

Wrangler R/T \$66<sup>80</sup> Wrangler R/T \$73<sup>50</sup>

31-11.00-15 TL, Load Range B, BLACKWALL, Plus \$4.70 F.E.T. and old tire

500 USED WHEELS \$5<sup>00</sup> and up

## FOR PEAK PERFORMANCE ON YOUR 4-WHEEL DRIVE

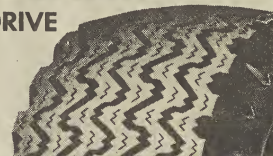
Goodyear Tracker A-T Specifically designed for 4-wheel drive vehicles. Provides firm, hard-pulling traction on off-road terrain. Yet the "Tracker A-T" rides smooth on the highway. Get rugged, dependable Goodyear quality at surprising low prices.

# \$65

10-15LT blackwall plus \$4.18 F.E.T. and old tire

# \$71

10-15LT WHITEWALL plus \$4.18 F.E.T. and old tire



STATE OF UTAH AUTO INSPECTION STATION

## Front-End Alignment \$11<sup>95</sup>

includes DAIHATSU, TOYOTA, VW!  
\* Complete analysis and alignment correction to increase tire mileage and improve steering safety.  
\* Precision equipment assurance.



## TOP QUALITY WHITE SPOKE WHEELS \$24

14 & 15" 6 & 7" wide



## MONROE SHOCKS \$8

INSTALLATION AVAILABLE



## LUBE, OIL & FILTER \$9<sup>00</sup>

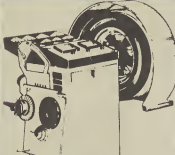
\* New Filter Installed  
\* Complete chassis lube and oil change  
\* High-speed torque wrenching gives you smooth quiet performance



## Under Coating



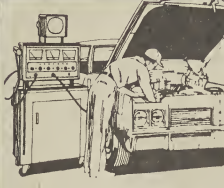
RUSTPROOFING \$49  
Helps kill road noise, seals and rust proofs auto under carriage.  
Most Cars & Pickups



COMPUTER WHEEL BALANCING 4<sup>44</sup>



DISC BRAKE 29<sup>95</sup>  
Includes new pads & labor  
To install other parts & labor extra if needed.



ENGINE TUNE-UP SERVICE  
includes DAIHATSU, TOYOTA, VW!  
\* Includes tune-up, oil change, air filter, & belt check.  
\* Includes 100,000 mile warranty on tune-up.  
\* Other cars are service charge \$1.00 tuning and lubrication and inspection.

4 Cyl \$29  
6 Cyl \$33  
8 Cyl \$36



BATTERY SPECIAL 36 Month Guarantee 27<sup>95</sup>

# Dewey Jolley's CONSOLIDATED TIRE & WHEEL INC.

1461 NORTH STATE STREET — PHONE 377-2442  
PRICES ALSO GOOD AT 99 WEST 300 SOUTH, PROVO, UTAH — PHONE 374-8500



# LDS missionary reunion announcements listed

**ALABAMA FLORIDA**  
All groups, Friday, 7 p.m., Fairmont Chapel, 2405 S. 800 East, Salt Lake City, 844-0371. There will be a \$1/person charge, and refreshments will be served. Mission presidents will speak, as well as come.

**ALBERTA SASKATCHEWAN**  
Beckham group, Friday, 7 p.m., Oak Hills Stake Center, 1600 N. 900 East, Provo.

**ARGENTINA**  
Young, Williams, Barker groups, Friday, 7 p.m., Big Cottonwood Stake Center, 5105 S. Highland Drive, Salt Lake City. Honoring President Young's 80th birthday.

**ARGENTINA BUENOS AIRES NORTH**  
Anderson, Harris groups, Friday, 7:30 p.m., 396 ELWC, 3.50/person, casual dress.

**ARGENTINA BUENOS AIRES SOUTH**  
All groups, Friday, 8:30 p.m., Spanish Temple Session at Provo Temple, 8 p.m., Reunion at Edgemont Chapel, 3050 Mojave Lane. Bring covered dish to pot luck dinner, drinks provided.

**ARGENTINA CORDOBA**  
Brown, Right groups, Friday, 8 p.m., 1450 S. 800 East, Orem.

**ARGENTINA ROSARIO**  
Bentley, Fernandez groups, Friday, 7:30 p.m., 90 S. 750 West, Orem chapel, \$2.50/couple, casual dress, refreshments.

**ARIZONA HOLBROOK**  
Roberts group, Friday, 7 p.m., Sharon West Stake House, 1700 S. 400 East, Orem. Casual dress.

**AUSTRALIA MELBOURNE**  
Covey group, Friday, 7 p.m., East Institute Building at University of Utah, 1800 Hempstead Rd., Salt Lake City.

**AUSTRALIA PERTH**  
All groups, Friday, 7 p.m., Clubhouse Spring Meadows Apts., 335 E. 4115 South, Salt Lake City. Call 375-6216 for information. Casual dress, pot luck dinner.

**AUSTRALIA SYDNEY**  
Tingey group, Friday, 7 p.m., Bountiful 2nd Ward, 200 S. 300 East, Bountiful. Casual dress, \$1/person contribution.

**AUSTRIA VIENNA**  
Schaerer, Wikus, Salik groups, all others welcome. Thursday, 7 p.m., Salt Lake Stake Center, 142 W. 200 North, Salt Lake City. \$2 contribution.

**BELGIUM BRUSSELS**  
All groups, Friday, 7:30 p.m., Institute Building at Utah Technical College, Orem. For more information contact Kerry Karchner at 785-5881.

**BOLIVIA LA PAZ/SANTA CRUZ**  
All groups, Friday, 7:30 p.m., St. Francis of Assisi School, 800 E. 300 North, Provo, \$1.50/couple or person.

**ALL BRAZIL MISSIONS**  
All groups, Friday, 7 p.m., Murray South Stake Center, 5750 S. 300 East, Salt Lake City (near door east of Cottonwood Hospital). For more information contact Marc Meala at 466-7608.

**CALIFORNIA LOS ANGELES**  
Edmonds, Paul, Garrett groups, Friday, 7:30 p.m., Wilkinson Center Skyroom, dinner at 7:30 - \$35/person. If interested, please contact Vance Fager, 374-9616.

**CALIFORNIA OAKLAND CENTRAL**  
All groups, Friday, 6:30 p.m., 115 JKB on BYU campus. Contact Chip Southland, 374-8834, for information.

**CALIFORNIA SAN DIEGO**  
All groups, Friday, 7:30 p.m., Institute Building at Utah Tech, 4602 S. Redwood Road, Salt Lake City. Call Jeff Martinez, 377-2878, for information.

**CANADA CALGARY**  
Beckham group, Friday, 7 p.m., Oak Hills Stake Center, 1600 N. 900 East, Provo.

**CANADA MONTREAL**  
All groups, Friday, 7:10 p.m., Orem 10th Ward, 150 E. 600 North, \$1 donation. Contact Stan Jensen, 375-3672, if any questions.

**CANADA TORONTO**  
All groups (old name of mission is Ontario - Quebec), Friday, 8 p.m., Monument Park Stake Center, 1300 S. Westchase Drive, Salt Lake City. \$1 donation. Contact Brent Gurney, 531-2143 or 374-6554.

**CANADA WINNIPEG**  
All groups, Friday, 7:30 p.m., Steffensen residence, 2734 Swanton Way, Salt Lake City. Any questions, contact Mark Steffensen, 377-0533.

**CENTRAL AMERICA**  
Milton Smith group, Friday, 7:30 p.m., Redwood Ward Chapel, 2200 S. 1300 West, Salt Lake City, \$1/person.

**CHILE**  
Palmer, Becerra, Burton, Earl groups, Friday, 7 p.m., Lucero Ward Chapel, 232 W. 800 South, Salt Lake City. RSVP to Espinosa, 377-9531. Bring cake or potato salad.

**COLOMBIA**  
All groups, Friday, 7 p.m., East Chapel of Knight Mangum Hotel, Contact Ron Pratt, 224-2937 or 374-1122, ext. 3467 for further details.

**COOK ISLANDS**  
Davies group, Friday, 7:30 p.m., Rosepark Stake Center, Salt Lake City. Casual wear. Call Mark Harmon for more information, 374-8967.

**COSTA RICA SAN JOSE**  
Eager group, Friday, 6:45-8:45 p.m., Kress Building, 100 W. Center, Provo, \$1.50 donation, casual dress.

**ECUADOR QUITO**  
Latimer, Howard and Pernel groups, Friday, 7 p.m., Clyde Building, \$1 donation.

**ENGLAND BIRMINGHAM MISSION**  
Reeve group, Friday, 7:30 p.m., Douglas Ward residence, 721 S. 1200 East, Salt Lake City. This will be a mediaeval banquet - \$1 single, \$6 couple. Send check to Reed L. Reeve, 753 Douglas St., SLC 84102. Best dress. For more information call 862-5394.

**ENGLAND BRISTOL MISSION**  
Knapp, Wonnacott groups, Friday, 7:10 p.m., West Institute at the University of Utah, 274 S. University Ave., Salt Lake City (1340 East). There will be light refreshments and a \$5.00 charge. Bring 10 to 15 of your own friends.

**ENGLAND LONDON MISSION**  
Milan D. and Douglas A. Smith groups, Friday, 7 p.m., 575 S. 400 West, Orem. Casual dress, \$2 contribution/couple. Call Scott Shumway for information, 377-1704.

**ENGLAND LONDON SOUTH**  
Livingstone group, Friday, 7 p.m., Alumni House, BYU, \$1/person. Contact Jeff Alexander, 375-1092, for more information.

**FLORIDA FT. LAUDERDALE**  
Hutchings, Nielsen groups, Friday at Provo 23rd Ward Chapel, 1315 E. 900 South. Dinner at 6:30 p.m., program at 7:30 p.m., dancing with live band from 8:30 to 10 p.m. Dress casual, \$2/person. For more information call Jon Mitchell, 377-2054.

**FLORIDA SOUTH**  
J. Murray Rawson '89-72 group, April 8 & 9 p.m., 14th Ward Chapel, 641 S. 400 East, Orem. Pot luck, bring one dish with utensils. Dessert provided.

**FLORIDA TALLAHASSEE**  
All groups, Friday, 7 p.m., Parkway Church, 2465 S. 800 East, Salt Lake City. Sporty dress, \$1/person. Mission presidents will speak and refreshments will be served.

**FRANCE**  
Christensen, Broadhead, Hinkley groups, Friday, 7 p.m., Federal Heights Ward, 1300 Fairfax Rd., Salt Lake City. Marcel Kahne will be the guest speaker. For further information, call Fern Crandall, 375-7208.

**FRANCE BELGIUM**  
Brown group, Friday, 7:30 p.m., 1633 N. 1550 East, Provo. Informal dress - \$1 contribution/person. Call Bruce Dangereux for information, 375-3279.

**FRANCE PARIS**  
Waite group, Friday, 7:10 p.m., Sunset Third Ward, 1000 W. 1000 South, Provo. No charge, casual dress.

**FRANCE SWITZERLAND**  
Didier group, Friday, 6:30 p.m., 1415 Roxbury Road (400 S. 3500 East), Salt Lake City. Pot luck dinner. For more information call Jeff Olson, 277-0065.

**FRANCE TOULOUSE**  
Bruchsalter group, April 4 & 11 p.m., The Village on Center (105 W. Center, Provo), \$3/couple, pay at door, casual. For more information, contact Jeff Smith, 375-4495, or Gordy Brunson, 375-0949.

**FRENCH MISSION**  
1987-1989 group, Friday, 7:10 p.m., Garden Park Condominium Clubhouse, 200 W. Center, Orem. Any missionary from above years is invited. RSVP Scott Duval, 374-1221, ext. 2832 or 465-2121.

**GEORGIA ATLANTA**  
Redford group, Friday, 7 p.m., East Mill Creek Stake Center, 3103 Craig Drive, Salt Lake City. Light buffet, \$2 at door. Dress clothes, no jeans. For information call Kent Fregey, 225-7303.

**GERMANY DUESSELDORF**  
All groups, Friday, 6:30 p.m., 435 E. 5600 South, Murray. Catered banquet and dance. Call Mark Jones immediately for information, 377-8646.

**GERMANY HAMBURG**  
All groups, Friday, 7 p.m., Butler 15th Ward, 23 E. 7800 South, Salt Lake City. For more information contact Roger Cox, 1-484-5569.

**GERMANY MUNICH SOUTH**  
Kelling group, Friday, 7:30 p.m., 179 JSB, \$1.50/person. Please bring a favorite slide.

**GUATEMALA EL SALVADOR**  
All groups, Friday, 7:30 p.m., Knight Mangum Social Hall, BYU, \$1 for refreshments. Call Kurt Krieger, 375-0400, for information.

**GULF STATES**  
Wagstaff, Driggs groups, Friday, 7 p.m., 1851 Sunnyside Ave. (vicinity of National Guard Armory), Salt Lake City. Casual dress. Potluck dinner with small donation. Call Golden Driggs, 377-7992, for information.

**HONG KONG**  
"Wheat groups," Friday, 7:30-10 p.m., A140 JKBA. There will be a slide show, skits and refreshments. For more information, call Casey Williams, 374-8723.

**INDIANIA-INDIANAPOLIS**  
Keith W. Wilcox group, Friday at 7 p.m., Rock Canyon Chapel, 2445 N. 550 East, Provo. Casual dress, \$2/person. Also meet at the Provo Temple chapel at 3:30 p.m. for a special temple session with President Gentry.

**INDONESIA-JAKARTA**  
Shurleff, Goet, Smith groups, April 1, 2 & 6 p.m., 6415 W. 10200 North, Alpine. Bring swim suit, \$2/person.

**IRELAND BELFAST**  
All groups, Friday, 7:30 p.m., new church on 18th Avenue, Hilltop Road, up I Street in new building. Contact 375-4704.

**ITALY NORTH & MILAN**  
Jorgensen, Radman groups, Friday, 8:30 p.m., Canyon Road residence condominium, \$7.75 requested for future reunion funds.

**ITALY PADOVA**  
Grainet group, Friday, 7:30 p.m. at Celereast Apartments Sunset Room, 1200 Bonville Rd., Provo. Casual dress, \$1/person. For more information call Dave Arington, 375-3078 or Brian Sullivan, 375-9924.

**ITALY ROME**  
All groups, Friday, 7 p.m., at Arbor Ward House, 1088 S. West Temple, Salt Lake City. Best dress, \$2.50/person. J. Reuben Clark III will be speaking. Venite Tutti.

**JAPAN EAST MISSION**  
All groups, Friday, from 7-9 p.m. at 1167 S. Main, Orem.

**JAPAN FUKUOKA**  
Nishimoto group, Friday, 6:30 p.m. at 650 E. Stadium Ave., Provo. RSVP 375-4268, \$3.50/person.

**JAPAN KOBE**  
All groups, Friday from 7 to 11 p.m., at Utah Technical College, Sorenson Student Center, Orem. Slides, dance and refreshments. Nominal fee. Contact Randy Clifford, 375-8489.

**JAPAN NAGOYA**  
Sato-Tanaka groups, Friday, 7:30 p.m., University of Utah 1st, 1900 Hempstead Rd., Salt Lake City. \$1/couple or \$2/person, casual attire. Russell McClure, 224-1636.

**JAPAN SAPPORO**  
Kozumi, Suzuki groups, Friday, 8 p.m., 241 Bryng Science Center, BYU, \$1/person. Contact Brent Smith, 377-5726.

**JAPAN WEST**  
Pres. Watanabe, Friday, 7:30-9 p.m., Bennion 1st Ward Chapel, Redwood Rd. (1700 West) and 6200 South, Salt Lake City. Casual dress and light refreshments.

**KOREA PUSAN & SEOUL**  
All groups, Friday, 7 p.m., Granite Park Stake Center, 601 Mansfield Ave. (3065 S.), Salt Lake City. Missionary dress, \$3 contribution. Call Hyatt Hassok for information, 375-4031.

**LOUISIANA BATON ROUGE**  
Williams group, April 1, 9:00 p.m., 18th Ward Chapel, A Street, Salt Lake City.

**MEXICAN MISSION**  
Erna A. Call group only, Friday, 6:30 p.m., El Estero Restaurant, 746 E. 820 North, Provo. Mexican meal, 14-7/8 plate, meet after at Sordapen Lounge, SFLC. RSVP, John Minson, 375-3374 or Paul Fore, 375-4754 by Wednesday.

**MEXICO MONTERREY**  
Friday, 7:30 p.m., Pleasant Brook Condominium Clubhouse, Intersection of Pleasant Brook Lake and Center Street, Centerville, 292-8699. Casual wear.

**MEXICO SOUTHEAST VERACRUZ & VILLAHERMOSA**  
Parr, Paredes, Lozano groups, Friday, 7-9 p.m., Orem 5th Ward Chapel, 80 W. 900 South, Orem, \$2.50, pizza, talk by President Parr.

**MEXICO TORREON**  
All groups, Friday, 7:30 p.m., Andy's Smorgasbord, 3350 Highland Drive, Salt Lake City, \$3/person.

**MEXICO VERACRUZ**  
Paredes group, Friday, 7 p.m., 539 E. Pioneer Ave. (8600 S. 700 East), Salt Lake City. Casual wear, pot luck dinner, bring utensils. Call Lynette Judd, 561-8303, for information.

**MINNESOTA MINNEAPOLIS**  
Peel's, all groups, Friday, 7 p.m., Holiday 6th, 125, 19th ward buildings, 3070 Nila Way, (4085 South), Salt Lake City. Best dress, James Rogers, 225-1880.

**MISSOURI INDEPENDENCE**  
All groups, Friday, 7 p.m., A170 JKBA, \$1 at door, contact Brent Miller, 255-4704.

**NEVADA LAS VEGAS**  
All groups, Friday, 8:15 p.m., Provo Temple, 8 p.m. at 249 ELWC. Special question meeting and endorsement session followed by gathering and refreshments at ELWC, \$1.50/person, contact E. Peck, 375-2064.

**NEW ENGLAND - MASSACHUSETTS BOSTON**  
Clark, Rozza groups, Friday, 7:10 p.m., Monument Park Ward Chapel, 2215 Roosevelt Ave., Salt Lake City. Friends and families of missionaries are invited. Call Thor Duffin for information, 375-0185.

**NEW MEXICO ALBUQUERQUE**  
Roberts group, Friday, 7:30 p.m., 1700 S. 400 East, Orem. Casual dress. For further information, contact Ellen Gerstner, 375-3382.

**NEW YORK ROCHESTER, CUMORAH**  
Siddoway, Barlow groups, Friday, 7 p.m., Edgemont Stake Center, 4300 Canyon Road, Provo. Best attire, \$1/person contribution. Call Perry Bratt for information, 785-2154.

**NORTHERN STATES, ILLINOIS CHICAGO**  
73-78 groups, Friday at 7 p.m., Capitol Hill First Ward, 24 W. 400 North, Salt Lake City. Dinner and program, "This is Your Mission." \$2.50/person.

**NORWAY**  
Berling, Johnson, Langland groups, Friday, 7 p.m., Colonial Hills Ward, 1455 S. 1700 East, Salt Lake City, program, refreshments, \$1/person, Cliff Cummings, 375-7417.

**NORWAY OSLO**  
Langland, Berling, Johnson groups, Friday, 7 p.m., Colonial Hills 6th Ward, 1455 S. 1700 East, Salt Lake City. Friends, program and refreshments, \$1/person, Attie Tessem, 224-4966, Cliff Cummings, 375-7417, Glen Meyer, 485-2899.

**OHIO COLUMBUS**  
B groups, Friday, 7 p.m., Knight Mangum Social Hall, Rm. 192, pot luck or \$2.50, informal dress, Craig Porter, 375-8970.

**OREGON PORTLAND**  
Seasons group, Friday, 7:30 p.m., 3230 N. 555 East, LDS chapel, Provo, (off Provo Canyon Road), \$1/person, refreshments, info, 377-2474.

**PARAGUAY & URUGUAY**  
All groups, Friday at 6:30 p.m., 900 St. S. Sandy, behind Butterfield Road, Call David Case for reservations and information, 225-6712.

**PENNSYLVANIA HARRISBURG, PITTSBURGH & PHILADELPHIA**  
All groups, Friday, 7:30-9:30 p.m., Murray 14th Ward chapel, 130 E. 800 South, Murray, \$2/couple, \$1/singles, call Elder Dalton, 723-7818.

**PERU LIMA**  
Driggs and Bishop groups, Friday, 8 p.m., Rosewood 2nd Ward Chapel, 5101 S. 2200 East, Salt Lake City. Sports dress, refreshments and program, \$1/person.

**PHILIPPINES CEBU**  
All groups, Friday, 6:30 p.m., Reception at President Carl D. Jones' home, 890 E. 1800 North, Mapleton. After reception, entertainment and refreshments at Mapleton 5th Ward Chapel, Main and Maple Streets, contact Richard Lee, 377-2224, for information.

**PHILIPPINES MANILA**  
R.L.G. group, Friday, 7:30 p.m., Snowbird Center, Plaza Restaurant and conference area. For further information, contact Dale Leishman, 374-5136.

**SAMOA**  
All groups, Friday, 7 p.m., Park Stake Center, 732 S. 800 East, Salt Lake City. Call Noel Smith, 489-5407, for information.

**SOUTH AFRICA JOHANNESBURG**  
All groups, Friday, 7 p.m., East Mill Creek 5th ward, 340 E. 3519 South, Salt Lake City, call Rob Perry, 467-2501.

**SOUTH CAROLINA-COLUMBIA**  
Knight group, Friday, 7:30 p.m., 303 JRCBL, \$2 dues, bring two mission allies, Rex T. Williams, 146 E. 800 North, Provo for info, 377-5189.

**SOUTHERN STATES**  
Raveston, Husnaker groups, Friday, 7 p.m., home of Pauline Husnaker, 790 S. Island View Drive (850 East), Centerville.

**SPANISH-AMERICAN**  
Matthews group, Friday, 7 p.m., 1947 S. 1900 East, Salt Lake City, James MacArthur, 374-1211, ext. 2723.

**SPAIN MADRID**  
All groups, Friday, 7 p.m., Monument Park 14th Ward, 225 S. 270 East, Salt Lake City. Contact Joe Swenson, 224-1608, for information.

**SWEDEN STOCKHOLM-GOTEBORG**  
Oscarson, Fokerson, Spencer, Johnson groups, Friday, 7:30 p.m., program at 9 p.m., Monument Park 2nd ward, 1005 S. 2000 East, Salt Lake City, \$1/person, casual dress, refreshments, Dave Bullock, 374-2640 or Jonathan Jensen, 374-9373.

**SWITZERLAND GENEVA**  
Sager, Stevens groups, Friday, 7:30 p.m., East Mill Creek Ward Chapel, 2700 E. 3450 South, Salt Lake City. Contact John Barras, 374-0259, for information.

**TAHITI-PAPEETE**  
All groups, Friday, 7 p.m., Burton-South Gate ward, 2701 S. Main, Salt Lake City, La ara na 'outua i tae nei 'Shipa.

**TAIWAN**  
Jackson group, Friday, 7 p.m., LDS chapel, 3175 S. 3450 West, Salt Lake City. Donations will be asked for. Call Donald Showalter for further information, 374-8503.

**TEXAS SAN ANTONIO**  
Loveland, Featherstone groups, Friday, 7:30 p.m., Imperial Melrose Home Park Clubhouse, 1375 W. 500 North, Provo. Bring \$1 contribution. Call Don Baer, 788-7786, for information.

**VENEZUELA CARACAS**  
All groups, Friday, 3:30 p.m., at Kwanita 7 p.m. at 941 E. 700 North, Provo. Friday night in case of inclement weather, meet at LDS, 945 E. 700 North, Provo. Call Marilyn Davis 295, for information.

**VIRGINIA ROANOKE**  
McPhie group, Friday, 7:10 p.m., Intl. Religion, University of Utah, 1800 Herd Road, 365-6508. Sunday best or evening attire, \$1.50 for single, \$3 for couple. Bring smallized Book of Mormon with picture to our beloved Alma Mater.

**WASHINGTON D.C.**  
All groups, Thursday, 6:30 p.m., LDS, 1431 Gilman Court, 1400 E. 1000 South, and program, \$1/person.

**WASHINGTON SEATTLE**  
Stapley group, Friday, 7:30 p.m., South 4th Ward Chapel, 1500 W. 10400 South Jordan. Casual dress, \$1/person. Call Tucker, 831-7164, for information.

**WELFARE SERVICE**  
All returned welfare service missionaries 1, 3:30-5:30 p.m., LDS Chapel, 190 S. 9 Salt Lake City. Call Ruth or Karen at 374- further information.

## Pres. Benson sides with U.S. farmers

TULSA, Okla. (AP) — Ezra Benson says he hasn't changed the way he feels about American farmers who were secretary of agriculture in the century ago.

"What farmers need is less government in agriculture and freedom," says Benson, who from 1952 to 1960 as agriculture secretary during the Eisenhower administration.

"There are some things government can do for agriculture," says Benson. "The principal ones being, to help farmers and find the products through research, farmer must have freedom to do what they want."

Benson says he has not had a chance to familiarize himself with the American Agriculture Movement because of his attention to work.

He is president of the Council of Latter-day Saints.

Benson was in Tulsa to a "Strong Nation-Strong Family" conference at Oral Roberts University sponsored by the Mormon church.

"Because I am devoting all of my life to church and youth work, I have been able to follow details of the movement. But I am in sympathy with farmers, and am acquainted with problems of low income," Benson says. Benson is chairman of large operations carried on by the church. Benson says he sees nothing wrong with farmers plowing down wheat in low of prices.

"A farmer must have freedom to do what he wishes," Benson says. "Benson says he sees nothing wrong with farmers plowing down wheat in low of prices."



## Having Trouble Calculating Your Income Taxes?

### FREE TAX CONSULTATION

This service is available to all BYU students, so save yourself all the grief and pain of hoping your taxes are correct.

### THIS WEEK'S TIMES AND PLACES

- MARCH 28**
  - 110 ELWC
  - 1 p.m. - 4 p.m.
- MARCH 30**
  - Ballroom Balcony, ELWC
  - 1 p.m. - 4 p.m.

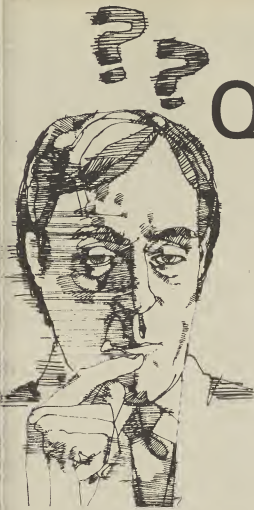
Co-sponsored by:  
**OFFICE OF THE OMBUDSMAN and BETA ALPHA PSI**

## Mother Nature's

extends a "healthy" congratulations to BYU!

**Gallery 28 University Mall 224-4900 HERE WE ARE!**





# Questions....

about  
Student  
Government?

## State of the Studentbody Address

delivered by Martin Reeder  
Tuesday, April 4  
396 ELWC 4:00 p.m.

compiled by Perry & Jon Bratt

# YOU ARE SPECIAL



You — yes you! You're different. I have seen millions ... well maybe thousands of people thus far in my life, and you, you're not like any of them. You are unique. Oh sometimes you unite with others in dress or opinion, but that is only sometimes. Mormon?? No, that doesn't make the difference entirely. Almost everyone here is a Mormon.

Let me explain what I mean by "different." You see, no one else has experienced life exactly the way you have, and so no one is quite like you.

Take an orange for example. Study it, look at it, get to know it. Get to feel like you know your orange. Then...throw it into a pile of oranges and mix it in with the rest of the bunch. Wait a few minutes. Now ... find your orange. The result is fantastic!

Oranges look quite remarkably the same, and yet when and if you take the time and opportunity to get to know your orange, you can tell it apart from hundreds of other oranges. If then oranges are so distinctive, what of you?

Mormon or not my friend, you are different ... you are

"ONE IN A MILLION."

## "One in a Million Week"

April 3-7, 1978

Stepdown Lounge

### PRESIDENT'S

Last year, we said it was time for certain changes in student government. Looking back, we're proud of our contributions in 1977-78.....

Honor Council  
Executive Council Cooperation  
(achieved through weekly interviews)  
State of the Studentbody Address  
delivered in December and upcoming in April  
Student Relations Council  
The What's Happenin in ASBYU page  
Closed Circuit T.V. coverage of U of U football game

### ACADEMICS

THIS YEAR, WE AVERAGED ONE SPEAKER A WEEK AND EMPHASIZED CURRICULAR ACADEMIC PROGRAMS. WE THANK YOU FOR YOUR PARTICIPATION AND THANK OUR STAFF.

### SOCIAL

The Social Office thanks you for your support this year. Total attendance at funtions such as dances, concerts, Our Gang, Creative Dating, Homecoming, Video, and all other activities is 132,390 to date.

Thanks and keep it up,

### STUDENT COMMUNITY SERVICES

Some of the achievements of the Office of Student Community Services include:

Increased staff size from 30 to over 60. This helps the effectiveness of the Office and increases its workload. It also gives more students the opportunity to serve in leadership capacities.  
You've Got A Friend - increased long-term, matched volunteers from 70 to over 170.  
Adopt A Grandparentincreased longterm, matched volunteers from 10 to over 70.  
Initiated monthly entertainment and Family Home Evening programs at over seven local nursing homes.  
Reorganized Student Toolshed, repaired old tools, and purchased new tools to help BYU students better complete service projects.

### ATHLETICS

From the float trip down Split Mountain Gorge on the Green River, the football games, pep rallies, Jack LaLane, basketball, and rugby it has been an exciting and eventful year. Many hours of service have been rendered by devoted student workers, and overwhelming support by the studentbody have made the athletic programs the successful events they have been. Thanks to everyone who participated in and helped to make these events possible.

### ORGANIZATIONS

CLUB PARTICIPATION IN ASBYU PROGRAMS HAS BEEN AT AN ALL TIME HIGH THIS PAST YEAR. WE, OF THE ORGANIZATIONS OFFICE, WOULD LIKE TO EXPRESS OUR THANKS TO THE MANY ORGANIZATIONS WHO HELPED MAKE THIS YEAR A VERY SUCCESSFUL ONE. REMEMBER; IF YOU WANT TO BE IN ON WHAT'S HAPPENING AT BYU, JOIN A CLUB.

### WOMEN'S

ASBYU Women's Office expresses its appreciation to all those students and staff who have helped make this a successful year. Best wishes to next year's staff.

### CULTURE

With the support of the studentbody and dedicated office workers, the Culture Office has been able to sponsor many varied programs since September:

Take Ten  
Concerts Impromptu  
Spontaneous Performances  
Moments in Concert and Conversation  
Moments in Art and Conversation  
Young Artist Performance Concert  
Film Society  
Christmas Tree Lane  
Shakespeare Week  
Mormon Festival of Arts Ball  
Childrens Literature Lecture  
Culture Week

We have continued to, assist the Lyceum Series, operatic and theater production, as well as operating the Wilkinson Gallery and purchasing an additional five paintings to be part of the permanent student collection.

We appreciate the opportunity we have had to serve.

# ASBYU STUDENT GOVERNMENT





Mounted animal heads and photographs donated by Seattle philanthropist Monte L. Bean are featured in the Bean Memorial Room in the new Life Science Museum. Displays will open to the public today following the Museum's dedication.

## Bird scientist, collection donor dies Monday

J. Donald Daynes, a retired government official from Salt Lake City and one of western America's foremost oologists (bird egg collectors), died early Monday morning after suffering a heart seizure in his home.

Several years ago, Daynes turned his life's work over to the Life Science Museum at BYU. The collection, donated in the name of Daynes and his wife, includes 384 clutches of bird eggs, totaling more than 3,000 individual eggs; catalogs; extensive field notes and drawers; cabinets and cases for attractive display.

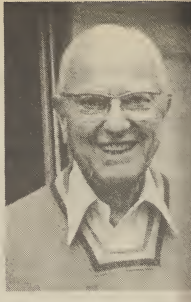
Daynes was to attend today's Monte L. Bean Life Science Museum dedication and was to see his eggs on display. (see earlier story p. 24)

The well-known western oologist was a grandson of Utah's first tabernacle organist, Joseph J. Daynes, and a member of a well-known Utah music family. He first became interested in bird eggs as a Boy Scout studying ornithology in Salt Lake City in 1915.

As a student working under the late Dr. J.H. Paul at the University of Utah in 1922, Daynes took a field trip to the west side of Utah Lake, south of Pelican Point. There in a grove of cottonwood trees, he collected his first Treganza Horon eggs and launched his life-long career in oology.

The oologist worked for the Small Business Administration for many years as chief of financial assistance. He retired in 1968 after 35 years federal service. He was past president of the Utah Audubon Society. He participated in the Annual Bird Census for years and wrote many scientific papers on oology, including one on the nesting habits of the Western Wood Pewee for the Smithsonian Institution.

Dr. Herbert Frost, professor of zoology and curator of the Museum's oological collection, was instrumental in acquiring the Daynes collection for BYU. He said it is probably one of the best prepared and documented sets of bird eggs in Utah and will be a valuable research and display resource in the future.



J. Donald Daynes

## •Museum open

(Cont. from p. 1)

dents, and the public with a superbly organized research and display center for the biological sciences.

The museum features "dioramas" which have been carefully designed and constructed, Tanner said. They are background murals, painted by artist Illene Lussier, that portray animals in their natural habitat. The mural will cover an entire wall and take more than a year to paint.

Huge color photographs cover the walls of the museum, some of them taken by Bean on African safaris. A 60-minute wildlife film will be shown regularly in the museum. Five-minute film clips accompany many of the exhibits.

A shop for constructing displays, a refrigerated hide room for storage have been built for future specimens.

The museum has separate research areas for each collection, including rooms to prepare the specimen study. Much of the museum is geared toward research, Tanner said.

An herbarium containing plants that are centuries old is one of the museum's features. Stan Welsh, curator of plants, said.

## Science displays transform Bean museum into 'jungle'

By HEIDI WALDROP  
Universe Staff Writer

Polar bears and tigers peak from around tall cabinets. Birds perch on walls overseeing ducks and pheasants that stare from their designated spots.

Is it a jungle or a zoo?

It's the Monte L. Bean Life Science Museum in varying stages of preparation.

The first step in preparation for such a museum is for the designer to put together a basic format for each display, says Karen Baskim, preparator for the museum. For a diorama, the next step is to go on a field trip to a place where that particular scene will be represented, she said. "We go to the general area and take lots of pictures and collect specimens. That includes leaves, flowers, rocks and even dirt," she laughs. "Then we bring them back and make molds."

At the Bean Museum, they use real branches and some of the smaller rocks but for the leaves, plants and the larger rocks they have to make molds for life-like imitations, Miss Baskim says.

"We take pictures all over then put them together to show what we need to," Miss Baskim adds. "Sometimes the pictures overlap. We may put on a 15 foot square what in real life is a mile or so."

Next they use a "vacu-former" to make the plastic leaves. These then have to be cut out and wires are glued on them.

"Then we paint each one with a hair brush and wire them individually on the branches," Miss Baskim says. From start to finish the process takes

"20 minutes to half an hour on each leaf."

There are basically three types of displays in the museum, Miss Baskim explains. The diorama has a 15 foot mural as a background and is set up to look as real as possible. The mural is an oil painting done by the Museum's fulltime artist, Illene Lussier. "She has been working on the smaller beaver one for over four months," Miss Baskim says. The diorama has a three dimensional effect.

The basic display is two dimensional, shows photographs and is generally in a cabinet.

The third type is an individual panel. "They just have pictures on them and then some lettering explaining it," Miss Baskim says.

As full time staff members, the Bean Museum employs a construction technician, a designer, an artist, an illustrator, a taxidermist and the preparator who oversees the production. Also there are various parttime students.

Each display is different and requires an individual way of building it, Miss Baskim says. But there are a few things the same, she adds.

"The main thing are the animals. Then there is generally some kind of wooden structure that is painted or covered with fabric. From there it just depends. There are some photographs, rocks and fake plants."

Miss Baskim said it is very much a cooperative effort with "everyone working."

When all is finished, the purpose of the museum, as Miss Baskim sees it, is to "act as a research facility and a display for the public. It is to show our stewardship for the earth."



Universe photo by Brent Petersen

Hand carvings in the huge redwood doors of the Bean Museum include likenesses of animals in the realm of science. In the words of the architect, the furnishings make the building "definitely top drawer."



Universe photo by Merry Lynn Lowry

Mural painter Illene Lussier works on the detailed backdrop for a diorama in the new Bean Museum. Realistic paintings are included in many of the building's displays.



Universe photo by Brent Petersen

Some 180,000 plant species are dried and stored in the Museum's herbarium, one of the finest such research facilities in the Intermountain area. Some plants date back to the fifth century.



Miss Heritage Halls

Talents, looks combined

Miss Heritage Halls contest is a beauty contest, Janelle a freshman in Child Psychology and the current Miss Heritage said last week.

Ashby and her two attendants owned recently and will reign in the Heritage Halls contest. Janelle Hall, first runner-up is now from Whitney Hall and runner-up is Jana Rowley from the same hall.

Contest begins each year in the fall halls when one girl is selected talent and responses during the year with judges. Each girl is on a bulletin board she designed and on her creativity in making a cake.

After the winner is chosen from each hall she competes for the six finalist slots. The final six contestants visit each hall, giving the girls the opportunity to meet them. Interested girls living in the Heritage Halls complex vote. "That vote from the girls in each hall is part of the final tally along with all the other factors," Miss Ashby said.

"I didn't feel like this was a beauty contest, she explained. "There was such a variety of girls and the judges asked questions that got inside you — to your morals and values."

"I wish that I could split the crown into 24 pieces," she added.

Miss Ashby said she feels this method was a good way to run a beauty contest. "It's judging a person to see what is inside as well as outside."



Universe photo by Vicki Vance

Janelle Ashby, a freshman in Child Psychology, was recently selected to reign as Miss Heritage Halls

Mission heads called

Men have been named to oversee missions of The Church of Christ of Latter-day Saints, L. Fevre, public communications director, said.

First Presidency announced by the appointments of E. Stott, John G. Marshall, G. H. Brunson and Robert A. G. all of Salt Lake City, Richard Jensen, Bountiful, Monte J. Robertson, Wyo.; William J. H. Meadow Vista, Calif., and C. Coryell, San Jose, Calif.

will begin their assignments in the next few weeks. The areas of assignment will be announced in the next few weeks, said.

58, graduated from Arizona University and is now a national certified public accountant for Haskins and Sells. He has a mission in Argentina and many other church positions. Acting attorney for the past 22 Marshall, 51, has a law degree from the University of Utah. He served as a missionary in Mexico and is an active church worker all his life.

son, 63, is chief executive officer of a professional accounting firm in Salt Lake City and a graduate of the University of Utah. His church service has included many positions of responsibility in various organizations and auxiliaries.

Vice-president and assistant to the president of First Security Corporation, Harding, 45, earned bachelor's and master's of business administration degrees from BYU. As a young man he served on a full-time mission for the church in Uruguay.

Jensen, 53, is president of Bernina Sewing Machine Company, Incorporated. He served on a mission in Denmark.

Another U of U graduate, Brough, 38, sold his computer services company recently to become a Wyoming rancher. He fulfilled an LDS mission to the British Isles in the late 1950s.

Mitchell, 44, is a practicing attorney and part owner of a jewelry store. He is a UCLA law graduate and served on an LDS mission in Mexico.

A Los Gatos, Calif., high school principal and graduate of BYU was also chosen. Coryell, 47, is a career educator holding advanced degrees from Long Beach State and the University of California. He fulfilled a mission in Brazil.

Daily Bulletin

Lectures

French-Italian Department Chairman, Dr. Thomas Brown, will be presenting a lecture on "Unanimism" at a symposium Thursday at 10 a.m. in room 120 of the Great Building.

Dr. Truman G. Madsen will speak on finding one's pre-existent identity at Tuesday night's Gospel and Behavioral Science Symposium. "The Root in Us: Pre-Existence and Identity" will be the title of his lecture. It will be held in 115 JKB at 7 p.m.

Meetings

Eleven videotape presentations on the presidents of the church since Joseph Smith will be shown Tuesday in 321 ELWC. The presentations, each 15 to 20 minutes long will run continuously from noon until 4 p.m.

Mock Trial

"Justice Administration 326" taught by Ivan Lawrence, is offering two mock trials. A criminal trial is planned for Wednesday at 6:45 p.m. in the Most Courtroom, room 303 HRCL. On April 5 a civil trial will be held in the Most Courtroom; a time has not yet been set.

Reunion

There will be a reunion with President Duane M. Laws, Thursday at 6:30 p.m. in room 110 ELWC. The reunion will be a covered dish dinner for all LDS families and students associated with Ann Arbor, Michigan. State.

Deadlines

All 1978 ASBYU election candidates must pick up campaign posters by Friday or the posters will be disposed of, Evelyn Williams, elections committee member, said. Posters can be picked up on the fourth floor, ELWC.

Tots grasp economic theories

By MERIDEE CARPENTER  
Universe Staff Writer

Children understand free enterprise economics well enough to apply it to everyday situations, a recent study by a BYU professor has shown.

Barbara Vance, associate professor of nursing, presented a paper on her findings March 18 in Dallas, Texas, at a conference of the Southwest Society for Research in Human Development.

Bonneville International Corporation suggested the research and sponsored it through the Communications Research Center at BYU. The corporation wanted to use television to teach free enterprise economics, Miss Vance said.

Miss Vance looked through the elementary education curriculum library to learn how economics is presented to children. She said the library has "interesting ideas, but they are not well organized." She decided that reconstructing the curricula would take more than the year's time on which she was planning.

"The basic principle of free enterprise economics is equity," said Miss Vance, "so I decided to use the concept of equity for my study."

Equity, in the context of this study, can be defined briefly as equal pay for equal work.

Miss Vance first set out to determine at what age concepts of equity are formed. Preschool children in BYU's child development lab and children from kindergarten through second grade classes in Rock Canyon School were used in the study. There were approximately 115 children in all.

The children were shown pictures and told stories to illustrate situations of right vs. wrong. They were then asked to respond to those questions. The children answered questions about 14 situations.

Pre-determined categories of level of mastery, instructional level, and not ready to learn, were used to measure the scores. It was found that preschoolers were the best level to teach, Miss Vance said.

The next semester Miss Vance and selected graduate students and honor undergraduates began an instruction program with the preschool children in the child development lab.

Half of the children were put into a control group and half into the experimental group. The experimental group heard only stories involving equity, while the control group heard stories which did not, Miss Vance said.

She said the children were given individual tests similar to those previously described. They were also given tests in which they were involved with dividing rewards among themselves and other students.



EMERGENCY MEDICAL TECHNICIAN TRAINING

Prepare to Serve!

Dates:

May 2-24, 1978  
Monday-Friday 1-5 p.m.  
Enrollment Limited

Register now at:  
Special Courses & Conferences  
242 Herald R. Clark Bldg.  
Phone: 374-1211 ext. 3556

UTAH COUNTY COMMISSION

UTAH COUNTY - A GOOD PLACE TO LIVE!



UTAH COUNTY COMMISSIONERS

The rapid population growth in Utah County to nearly 200,000 during the past year has brought about many changes. Every area in the County has felt the results of this growth. Services and advantages for the people who live in this beautiful valley are uppermost in the minds of the public officials of this County.

The side pictures depict some of the progressive functions and events that have taken place during the year for the benefit of county residents.

Utah County's Rehabilitation and Security Center houses minimum, medium and maximum security men and women prisoners. The thoughts and desires expressed in the Dedication Prayer are the feelings of those people and agencies working to rehabilitate those housed at the Center.

That the staff and those working with the people will keep in mind that the worth of souls is great and that those incarcerated will be taught the values of good citizenship and responsibility, that the idea of rehabilitation will be effective so that a person may go back into society a little better than before.

The second Utah County Fair, held in Spanish Fork last August, was a great success and an opportunity afforded many youngsters and adults who displayed their talents and won prizes and ribbons for the things they accomplished.

Changes have been completed at the Utah County Youth Home that will better facilitate those youth who are in trouble with the law. Again efforts are being made by the County to give the youth a chance to correct mistakes before they grow worse.

We as County Commissioners rate highly BYU's support and good will which have helped make progress in Utah County possible. We appreciate the position taken by many fine leaders at the University on important issues confronting us as free individuals. Let us hope that we can all help protect the rights and freedoms of all citizens.



Utah County Security Center



Utah County Fair



Utah County Youth Home







'Synthesis' to perform in concert

BYU's 20-member jazz-rock ensemble "Synthesis" will present a concert tonight and Wednesday in the de Jong Concert Hall, HFAC. The concert, which will start at 8 p.m., is free to students.

According to Bob Taylor, acting director for Synthesis, the group relies heavily on improvisa-

tion in numbers, which makes each concert different. The group toured last summer in Europe, traveling to Hungary and Romania.

Five saxophones, four trombones, four trumpets and a rhythm section are involved in the group, according to Johnson.

## One-man portrayal of prophet lacking in characterization

By BETH WOODBURY  
Universe Reviewer

Many people have enjoyed Bryce Chamberlain's portrayal of Joseph Smith and many will doubtless continue to do so. However, this reviewer found "Joseph, the Man the Seer" to be a disappointing performance.

Concentrating on action rather than characterization, Chamberlain's "personal insight into the life and times of the Prophet" was actually no more than a series of familiar anecdotes told with the jargon and inflections of a Sunday School teacher. Chamberlain told about Joseph, but never became him.

The performance began with an interesting but gratuitous act of exposition as Chamberlain explained what he was doing as he applied make-up and costume. His naturally warm and winning manner was clouded by a self-conscious dramatism as he made the clumsy transition from his own personality to that of the prophet.

Chamberlain made the further mistake of beginning at the climactic moments in Liberty Jail, vision and all. He went so far as to include God's voice,

which works well in the Hill Cumorah Pageant and "The Ten Commandments," but is only ludicrous within the confines of the Varsity Theatre. From this dramatic height, Chamberlain hopped to Nauvoo to Palmyra and back again, never lingering long enough on a single event to develop any character.

However, most disappointing was that Joseph's most original and profound teachings were never mentioned. Chamberlain's Joseph came across as a preachy, overbearing, self-satisfied man, with quickly changing moods, expansive gestures, and a rather dull view of life. Joseph's brilliant mind was never revealed, and his unique personal philosophy was reduced to a mish-mash of platitudes.

Doubtless, Chamberlain's performance would have been improved if he had had better technical facilities. The Varsity Theatre was not built for live performances. The lack of a traveling spot forced technicians to light whole areas rather than just the performer, requiring unused props to fill in the background. The poor acoustics necessitated a microphone that picked up the slightest rustle of the actor's clothing.

## Former 'Three Dog Night' star to be warm-up act for concert

By HEIDI WALDROP  
Universe Staff Writer

Three Dog Night's former lead singer Cory Wells will be the front act for the England Dan and John Ford Coley Concert Thursday night in the Marriott Center.

With Three Dog Night, Wells gathered 14 gold or platinum records and performed throughout the world.

When Three Dog Night broke up, Wells moved into solo work. He is currently active in recording and concert appearances.

During his years on the stage, Wells has always commanded the

spotlight. Wells said he sees the stage as an extension of his recordings and with this in mind he will make it more of a live recital.

Wells was brought up in a multi-cultural section of Buffalo, New York. He was exposed early to black gospel music but soon expanded his interests to include blues, rhythm and blues and other forms of "soul" music.

A band in high school proved to be of local success to the five-member group headed by Wells, but he knew that he would have to get out of Buffalo to make it in the music business.

During his three and half years as an Air Force jet mechanic, Wells formed a band called The Satellites and won several talent contests all the way up to the Best-of-the-Armed-Forces competition.

After leaving the Air Force, Wells moved to Los Angeles with a band he had started in New York, The Enemies. Wells stuck it out in Los Angeles taking any and all work offered him.

Wells still loved rhythm and blues but with the Beatles' arrival, progressive and pop rock was strong. Road work followed until Wells

finally banded with Danny Hutton and Chuck Negron to form Three Dog Night.

The band made rock history in the 60s and 70s but there was a point when it had to break up, Wells said. "There was a point when the other band members and I had conflicting interests, and it was best for everyone to go their separate ways. Three Dog Night gave me the confidence I needed to know I could really make it in the music industry. Now there are many directions I want to go... the time is right for a solo career."

### At Provo High

## Ballet West to give concert

Ballet West's production of "The Nutcracker" has become a Christmas tradition at BYU. This year, Ballet West is adding another performance in Provo, as the company presents two choral ballets, "Carmina Burana" and "Songs of the Valley," tonight at 8 at Provo High School.

Both the community and Ballet West have wanted more ballets in Provo. Camille Parker, vice-president of the Utah Valley Ballet Guild, said. Eventually, according to Mrs. Parker, the company will be performing every ballet in Provo that it has presented in Salt Lake City.

The guild has been formed to promote Ballet West in Utah Valley. Dues from its members will be used to publicize Ballet West's performances, Mrs. Parker said. "Any interested person may join the guild." Dues are \$8 per year. Members will receive news about Ballet West and participate in social functions, she said.

Ballet West is working with BYU to schedule performances at BYU, but tonight's performance is at Provo High School because of a full schedule at BYU, she added.

"Carmina Burana," one of the ballets to be performed tonight, was choreographed by John Butler. The music was composed by Carl Orff, using as the text 24 love poems. The ballet will feature the Utah Symphony, Ballet West's official orchestra, and the Jay Welch Chorale.

"Songs of the Valley" was choreographed by Bruce Marks, artistic director for Ballet West, to Aaron Copland's "Old American Songs." It is based on pioneer stories, Mrs. Parker said.

Ballet West will lose money on this performance, said Mrs. Parker. Even if the performance sells out, it will pay for only half the expenses. In the future, Ballet West hopes to sell season tickets, she added.

This will lower the cost to the public and provide an audience the company can count on.

Ballet West has grown from a ballet school at the University of Utah to the fifth largest ballet company in the U.S. The company tours to cities throughout the U.S., and is now planning a tour to the eastern states, said Mrs. Parker.

Tickets for the performance are \$5 to \$10. Tickets may be obtained at Allen's Photo or at The Company in the University Mall.

### Three Y films to be aired on KBYU-TV

Three recent BYU film productions will follow the telecast of the Monte L. Bean Life Science Museum program today on Channel 11.

The dedication will be telecast at 7 tonight, according to KBYU.

"The Guilty," a recently produced film starring Tina Cole, formerly of "My Three Sons," will be shown at about 7:45 p.m. - Golden Eagle award winner "Mailbox" airs following "The Guilty," and "Mother Corn," a documentary produced by KBYU, airs at 8:30.

"Mailbox" is a BYU Film production featuring 83-year-old Lettie Tatge of Midway. Living alone in her rural home, she waits anxiously each day for mail from her children, but the letters never come. The procrastination of her children finally turns her sorrow into tears.

"Mother Corn" was produced for the Rocky Mountain Public Broadcasting Network. The half-hour film examines the Indian culture of the Southwestern U.S., and the part that corn plays in the religion and nutrition of the native American culture.

## THE Rolling Scone SANDWICH SHOPPE

## Just Visiting? For a Great Tasting and unique meal try

725 E. 820 N.  
Provo, Utah  
373-9409

## The Rolling Scone

OPEN:

Mon.-Thurs.  
11am to 11pm  
Fri. 11am to 1am  
Sat. 11am to Midnight

Just off the South Gate of Campus



Engraving makes

## THINGS REMEMBERED®



Things Remembered is located just outside of the west doors of Penney's, in the main concourse of the mall.



Women's Jewelry & Gifts Available

Engraved Desk Sets for Graduation  
Cross Pens for Graduation



Men's Jewelry & Gifts Available

All work guaranteed completed in 24 hours; usually in as little as 20 minutes.

## THINGS REMEMBERED

129 University Mall, Orem 224-2144

ALSO:

★ rubber stamps ★ keys ★ scissor sharpening ★ key chains

## 15% off

with this coupon.  
Save this for your next purchase.

Name \_\_\_\_\_

## Update

### tuesday

Agriculture Week  
Development Academy President N. Eason, Marion, MO, 10:00 a.m.  
Forum 8:00 p.m. 4:00 p.m.  
Lecture: "High Pressure Chromatography," Stephen West, 7:15 p.m. 7:45 p.m.  
Forum: 8:00 p.m. 8:30 p.m.  
Lecture: "High Pressure Chromatography," Stephen West, 8:00 p.m.

### wednesday

Agriculture Week  
Middle East Contemporary Lecture - ELWC  
Malcolm Kerr, 1:10 p.m. Varsity Theater  
Jacob Hurwitz, 2:10 p.m. Varsity Theater

### thursday

Agriculture Week  
Symposium, 8:00 a.m. Varsity Theater  
Rampart Ballroom 1:00 p.m. 6:00 p.m.  
Middle East Contemporary Lecture  
Lecture: "The Middle East," 1:00 p.m. 7:45 p.m.  
Forum: 8:00 p.m. 8:30 p.m.  
Lecture: "High Pressure Chromatography," Stephen West, 8:00 p.m.  
Forum: 8:00 p.m. 8:30 p.m.  
Lecture: "High Pressure Chromatography," Stephen West, 8:00 p.m.

### friday

Agriculture Week  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater  
Ballroom, 8:00 p.m. Varsity Theater

### saturday

General Conference  
Baseball - Alumni Game, 1:00 p.m.  
General Priesthood Meeting

a weekly update of events presented by the ASBYU Council





***We're  
here to  
give you  
service!...  
and then  
some!***

***since***



**byu bookstore**

***1906***



# Classified Ads... WORK.

Daily, 8 am to 5 pm, except Sat. & Sun. 374-1301, Ext. 2897 & 2898, Room 117 ELWC.

## CLASSIFIED AD POLICY

- We have a 3-line minimum.
- Deadline for regular Classified Ads is 10:30 a.m. 1 day prior to publication.
- Deadline for Classified Display is 4:30 p.m. 3 days prior to publication.

Daily Universe - room 117 ELWC, Ext. 2897 or 374-1301. Open 8-4:30, Monday-Friday.

Every effort will be made to protect our readers from deception, but advertising appearing in the Universe does not indicate approval by or endorsement of the University or its staff. Read your ad carefully before placing it. Due to mechanical operation it is impossible to correct or cancel an ad until it has appeared one time.

Advertisers are expected to check the first insertion. In event of error, notify our Classified Department by 12:30 p.m. of the day ad runs wrong. We cannot be responsible for any errors after the first day.

NEW CLASSIFIED RATES EFFECTIVE AS OF WEDNESDAY, 3/28/78. Copy deadline 10 a.m. 1 day before date of publication.

Each Rate - 3 lines minimum	1 day, 3 lines	1 wk, 3 lines	1 mo, 3 lines
1 day, 3 lines	1.85	5.00	15.00
1 wk, 3 lines	3.00	10.00	30.00
1 mo, 3 lines	4.50	15.00	45.00
1 yr, 3 lines	8.00	25.00	75.00

Above rates subject to \$1.00 service charge for credit for all commercial ads.

## 1-Personals

**ELECTROLYSIS:** Permanent removal of unwanted hair of face and body. Ladies only. 377-4301 for appt.

**WED LIKE TO SHARE:** Try the diet nobody believes in. Drink milkshakes, eat veg. food. All natural. Try it today. 377-0001, 374-1876.

## 2-Lost and Found

**FOUND:** bracelet, in mens lockers, RFR. Call 377-0358.

**FOUND:** 1 new umbrella, in JKB. Call 377-5907.

## 3-Instr. & Training

Learn to Dance-Disco, social, jazz, tap, ballroom. Dance Dynamic, 705 Columbia Ln., 375-9131, 377-1698.

NOW accepting Piano Students. Adult, Beginner and children. Call 374-0503.

Learn guitar, banjo, bass & drums from the pros. Progressive Music, 374-0055.

Guitar, Drum, Banjo, & Bass lessons. Play like the pros. Herper Music, 375-4855.

Dancing makes a fun family night. Special group instruction. Rates, your place or our studio. Dance Dynamic, 705 Columbia Lane, 375-9131, 377-1698.

## 4-Special Notices

Brides or Brides to be. Learn to cook inexpensively, delight your husband will love you. Enroll now. 373-0570.

ANNOUNCING THE OPENING OF THE

**UTAH VALLEY BAPTIST CHURCH**

First services to be held Sunday April 2, 1978 310 W. 500 N. Provo (Women's Council Center) Sunday School 9:30 Preaching Service 10:45 Evening Service 7:00 Telephone 224-2957

## CLASSIFIED AD DIRECTORY

- 01 Personals
- 02 Lost & Found
- 03 Instruction & Training
- 04 Special Notices
- 05 Insurance
- 06 Help Wanted
- 07 Sales Help Wanted
- 08 Service Directory
- 13 Pets
- 14 Contracts for Sale
- 15 Rooms & Board
- 16 Rooms for Rent
- 17 Uniform. Apts. for Rent
- 18 Furn. Apts. for Rent
- 19 Roommate Wanted
- 20 Houses for Rent
- 21 Wanted to Rent
- 22 Homes for Sale
- 23 Investment
- 24 Income Property
- 25 Investments
- 26 Lots & Acreage
- 27 Real Estate Wanted
- 28 Business Opps
- 29 Mountain Property
- 30 Farms & Ranches
- 31 Livestock
- 32 Farms & Garden Produce
- 33 Make for Sale
- 34 Wanted to Rent
- 35 Furniture
- 36 Camera-Photo Equip.
- 37 Musical Instruments
- 38 Elec. Appliances
- 39 TV & Stereo
- 40 Bikes & Motorcycles
- 41 Auto Parts & Supplies
- 42 Wanted to Buy
- 43 Mobile Homes
- 44 Travel-Transportation
- 45 Trucks & Trailers
- 46 Used Cars

## 4-Special Notices cont.

Jack's Drum and Guitar Shop, of Salt Lake City presents a **BILLY COBBAM DRUM CLINIC** starting Mar. 30th, 1978. 6 pm to 8 pm Salt Palace Little Theater, Salt Lake City, Utah. Admission - \$3.00.

## 5-Insurance

**MATERNITY INSURANCE**

As Independent Maternity Specialists, we tailor-make our policies to fit your individual needs. And we'll be around when you need help in filing your claim!

## GARY FORD

Office 224-5150  
Residence 377-4575

When you're in the market give us a call or you'll probably pay too much.

## MATERNITY INSURANCE

**SAVE \$700** in maternity costs call

**BILL LUCAS**

Office 224-4110  
Residence 224-2085

## MATERNITY INSURANCE

Up to \$1500 - Independent Agents - Dependable Companies - Complications covered on mother - Baby covered at birth. No pressure - We'll tell it like it is.

**CHIPMAN ASSO. 225-7316**

## 5-Insurance cont.

**ADJUSTABLE LIFE**  
Life insurance you can shape to your own needs. Check 375-7500 or 224-0251.

## MATERNITY INSURANCE

Why wait several months for coverage to begin? Why combine more than one company at more expensive rates?

We offer up to \$1000 maternity with no waiting time, excellent family medical plan. Term life rates for the student on a budget. Call Carl Hardman, Sandra Hardman.

Office 225-6231  
Home 374-5678  
Hilltop Prof. Bldg. Orem.

## \$100,000 TERM LIFE

Male 21 - \$12.00/mo.  
Male 24 - \$13.00/mo.  
Male 26 - \$14.00/mo.  
Call 225-0255.

**Life & Maternity Insurance**  
Policies tailored to your needs.  
Call (fax) 224-5331  
Thaddeus Speed (Agent)

## 6-Help Wanted

Men, Women, Students. Over 300 of our products offer you daily opps. for above average earnings. Pn or full time. Call us today. 225-2682

## JOBS

**MED. RECEPTION** full time. Permanent position. \$3/hr. Hurry. Call Art. 225-5500 or ext. 2997.

## Shelling Shelling

530 S. State, suite 140 Orem, Utah 225-0950

Apt & utils. Rent for couple. No children. Wife to work 3 hrs./day, 6 days/wk. Answer phone part time. Call 785-3563.

It Only Takes a Phone Call to place a classified ad. 374-1301 or ext. 2897.

## NURSES

Proven nursing home needs RN's. All shifts available. Good salary and benefits. Call 225-2145.

## 6-Help Wanted cont.

**COOK/HOUSEKEEPER**  
Salt Valley Wyo. Ranch. Call SLC 555-1043 even, or write: Preston Ranch, Bedford, Wyoming.

## RANCH WORK

Calving, lambing, fencing, corral, Preston Ranch, Bedford, Wyoming 83112 or phone 307-885-2142.

2 students needed for appliance delivery. Must have 3/4 ton pickup. Call 224-5800.

**FREE-Room, Board, car** plus other benefits. May & June. Part-time child care. Call 225-0757 Vicki.

Needed, habbitary, my home. 8:30 M-Fri, 9:00am on Tues. Rates TRA. Mother whose child acceptable. 375-0050 or 225-8320, Penny.

## APT MANAGER

Opening for expt w/chldren. Must be in area 2-3 years. Send resume. P.O. Box 89, Provo, Ut.

## \$8.95 PER HR. NO SALES

Earn \$6,000 this summer in the Petroleum industry. Jobs available throughout the U.S.

No Experience Write: Employment Opportunities P.O. Box 554 Provo, Ut. 84601

## ATTENTION

National Corporation interested in hiring men and women with missionary experience for full time summer employment.

Good compensation. For appointment call 225-2293 8:30 a.m. to 4:30 p.m.

## ATTENTION

POTENTIAL MISSIONARIES

- MONEY
- LEADERSHIP EXPERIENCE
- COMMUNITY SERVICE
- SKILLS
- LEAVE OF ABSENCE DURING MISSION
- TUITION ASSISTANCE AT STATE SCHOOLS
- POST MISSION JOB

## JOIN THE UTAH NATIONAL GUARD ENGINEERS.

CALL 373-0160

Cashier for fishing tackle store. Full or part-time. Call High Country Tackle. 225-5335. Ask for Jim.

## 6-Help Wanted cont.

Fly tiers - If you can tie quality fishing flies call High Country Tackle 225-5335. Ask for Jim.

## COUNSELORS

Western Colorado boys' camp emphasizing outdoor and river program. Two years college and sincere interest in working with children required. Include self-addressed, stamped envelope with inquiry to Colorado River Ranch for Boys, Gypsum, Colorado. 81637.

## JOBS BE A BANK TELLER

4 Week Training Course Opportunities Men and Women Placement Assured. Full and Evening classes starting soon.

**268-4400**  
American Teller Schools 1030 W. Altamont, Rm. 202 (1100 W. 8500 S. 310)

## NEEDS Sales Help

NEED SALESMAN FULL-TIME. Must have background in sporting goods. Apply in person. Pack's Sportswear, 644 N. State, Orem.

Summer job - hard-working. Earn \$400 or more. Call 373-028 (even).

## ENVIROWEST

Now interviewing for full-time securities agents to market real estate investments. Real Estate license is not required. Call 224-5777 for appointment.

## 16-Rooms for Rent

Boys sleeping room. \$95/mo. Acres from law school parking lot. Call 377-0775.

## 17-Uniform. Apts. cont.

825 CASH to new tenants. New 4plex. 2 bdrm, apt, drps. Must sell Heritage Hills contract. 375-0559. Helen.

## 17-Uniform. Apts. cont.

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## 10-Sales Help cont.

Sales help needed. Demand is too great! In Provo it's easier to sell maternity insurance than to sell water to a thirsty man. Excellent commission. Call Gary Ford, 375-7500.

## NEWLY REMODELED

\$135. 2 bdrm. equipped w/all appliances, carpets, drapes and more extras.

## UNITED RENTALS

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## MARRIED STUDENTS

1 bdrm apt. 1 blk from campus. \$100/mo. 224-1856.

## Nice 2 bdrm duplex for rent

Available May thru Dec. \$180 + gas & lights. Refrigerated air cond. 374-1857.

## Married students. Sublet

Wym. Terr. Spr/Su. 1 or 2 bdrm. Uniform. \$107 to \$117. 374-5671.

## New apt 2 bdrms W/D hks

Close to town. Please call 8 am to 5 pm. 374-0484.

## Married students. \$130/mo

Uniform apt. 1 blk from campus. 224-1856.

## Men's Dearest Towers

Available March 1st. 377-7278. Vickie.

## ONLY \$70 for Mar. & April

W/D hks. apt. \$165. Mar. & April. Must sell Heritage Hills contract. 375-0559. Helen.

## 16-Rooms for Rent

Boys sleeping room. \$95/mo. Acres from law school parking lot. Call 377-0775.

## ENVIROWEST

Now interviewing for full-time securities agents to market real estate investments. Real Estate license is not required. Call 224-5777 for appointment.

## 17-Uniform. Apts.

825 CASH to new tenants. New 4plex. 2 bdrm, apt, drps. Must sell Heritage Hills contract. 375-0559. Helen.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.

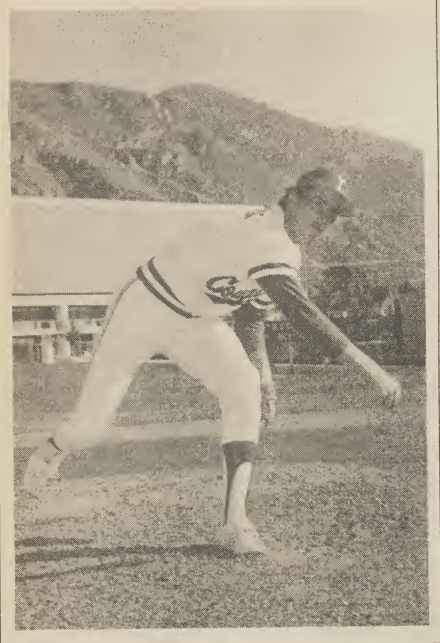
## NEARBY

125 E. 300 S. 374-8220 Open Mon-Sat. 9am-5pm.









Cougar pitcher John Botorff follows through his movement. Botorff was named to the all-tourney team in the Spartan Classic by winning two games.

# Sluggers take 1st at San Jose

By ANTONE CLARK  
Universe Sports Writer

The BYU baseball team came away from the Spartan Classic in San Jose, Calif., last weekend smelling like roses after a first place finish, but Coach Gary Pullins isn't concerned that his Cougars are peaking too early in the season.

"I don't think we are peaking yet because we're using so many players," Pullins said. "Our pitching has always been good but this weekend we finally helped our pitchers by making some plays for them."

BYU dominated the classic, winning six of seven games, including a 12-5 thumping of host San Jose State in the championship game Saturday night. The Spartans had beaten the Cats earlier in the tourney 5-4.

Pitching Coach Vern Law got six complete games from his hurlers, including a shutout from Greg

Peterson. John Botorff logged two wins for the Cougars, earning a spot for himself on the All-Tournament team.

All was not rosy for BYU in the Classic however, as the Cats lost the services of outfielder Jeff Burton in the finale with SJS. Burton was hit in the face by a wild pitch in the first inning, suffering a fractured jaw and possible eye damage. The Cougar sophomore from Salt Lake City was scheduled to see a specialist in San Jose and was expected to be released from the hospital and back in Provo Monday. "Burton isn't hurt as bad as we thought he was at first," Pullins said. "We realistically don't expect him back for a month, but you never know."

Burton's injury leaves BYU with only four outfielders. Ironically, freshman Stan Younger made his varsity debut during the week-long tourney. He had been troubled with eligibility problems and missed the first weeks of the season.

Pullins was quick to point out that Law, Botorff and Valgarud weren't the only Cougars to do well in the tourney. "Marc Thomas had a great tourney," Pullins said. "We have a lot of people playing well."

What pleased Pullins most about the tourney was the motivation of the Cougars. "San Jose State beat us on a fluke," Pullins said. "And Saturday Coach Law and I didn't have to say a thing. I wanted San Jose badly and went out to battle. BYU's record is now 14-8 in NCAA play and overall."

The Cougars' next game will be an intrasquad game at home Friday. That game will be preceded by a three-inning softball game between the men and the Y bat girls. Members of the media, including the Daily Universe, are scheduled to fill coaching spots for the intrasquad affair. Pullins said the intrasquad match should provide fans a chance to see the whole array of Cougars play "take some of the edge off and have some fun."

## Bowlers head to sectionals

The men's and women's bowling teams of BYU will leave for Boise, Idaho, for sectional competition Thursday afternoon hoping for a victory which will send them to the nationals in Milwaukee, Wis., in April.

Coach Shafter Bown said the men's team will face top notch competition from Oregon, Oregon State, Montana, University of California — Davis and Mt. Hood Community College. Bown said Cal-Davis would be the tournament favorite, having bowled well all year, including a fourth place finish at the Las Vegas Invitational on New Year's Day.

The BYU women will challenge the favorites from the University of Oregon, while other strong games are

expected from Montana, Oregon State and Portland Community College.

"We have to win," said Bown. "It's a do-or-die situation for us. If we lose, it will be all for us as a team. We do have Allen Rowe going to the nationals in individual competition in St. Louis, Mo., in April. I know it's been said in other sports by other coaches but, 'If we play our best we can win.' We need to handle the pressure because there will be a lot of it there. Our girls are geared-up for it already," Bown said.

Bown said the men have yet to roll for selections, but the women's team has been singled out. The following women will represent BYU: Kathy Stringham, Debbie Bird, Linda Boothy, Allison Shurtleff, Carol Larsen and Liz West.

## Women drill for nationals

BYU's women's track team has scheduled an intrasquad contest Saturday to prepare for tough meets at Arizona State and UCLA in April.

Coach Nena Hawkes said the meet Saturday will be informal. She hopes to bring another school or two to Provo to compete.

The team will be split up next week, according to Miss Hawkes, with some members going to Arizona State and others to Utah State. "The reason for the split is to give some of our athletes who are capable of qualifying for the nationals a chance to qualify in pre-competition at Arizona, Colorado State and Nevada-Las Vegas will be there and other teams have yet to be named."

"The other team members going to

Utah State will be getting excellent experience in their respective events," she added.

The meet at UCLA in two weeks is an invitational for the best women's track competition in the nation. Miss Hawkes said BYU will take athletes who can qualify for the nationals.

She said the UCLA meet is particularly significant because there will be no team scores kept. In other meets, individuals often double up and become exhausted because of the importance of gaining team points.

The Cougars have a strong contingent of sprinters, with Janet Scott, Linda Bourn, Maria Garcia and Marcia Chadwick. "Janet is an all-around athlete; she is an excellent long jumper and could compete in the pentathlon," said Miss Hawkes.

## For Unique elegance



in Weddings,  
Engagements,  
and Portraits

All portraits are fully retouched and oil  
enhanced for the Rembrandt look

**Sharpe** 489-4734  
**Photography**

248 S. MAIN

SPRINGVILLE

A&W



# A WORD FROM The..... GREAT ROOT BEAR

## SINCE 1919!

A&W has tickled the taste buds of Americans for more years than most of us can remember! For those of you who do remember A&W in the early days, you know that for all these years we have served nothing but the best in food and drink. At A&W we please your palate

## SERVING YOU AT

## 3 GREAT LOCATIONS

- GREAT BURGERS
- DELICIOUS FRIES
- TASTY HOT DOGS
- FLAVORFUL FISH & CHIPS
- DELIGHTFUL FISH SANDWICHES
- TEMPTING SHAKES & FLOATS
- THIRST QUENCHING ROOT BEER
- MUCH, MUCH MORE



1290 N. University Ave., Provo, Utah



501 N. Main St., Springville



390 East State Rd., American Fork

A&W



# Wildcats win NCAA

ST. LOUIS (AP) — Explosive Jack Givens, calmly finding seams in the Duke zone, fired in a record 41 points Monday night, and Kentucky's pressure-proof Wildcats roared to a 94-88 victory over the Blue Devils in the championship game of the 40th NCAA basketball tournament.

The Wildcats, playing under what Coach Joe Hall said the most intense pressure of his six-year career at Kentucky, clinched their fifth national title behind a brilliant one-man show by their 6-foot-4 star.

The left-handed Givens scored 23 of his points in the first half to power the nation's No. 1 team to a 15-0 lead at intermission, then continued his one-man assault on the basket in the second half.

Givens sank three baskets during an 11-2 burst as the Wildcats moved into a 66-50 lead with 12:42 left in the game. That mountainous 16 point lead was enough for Kentucky to withstand a flurry by the frantic Coach Conference playoff champions, who fought back valiantly but could get no closer than 10 points. In fact, with a lead of seven points, Hall had to substitute. Then, finding his team's lead slowly eroding, he had to let his regulars return to the game.

Givens' performance was just three points shy of record for an NCAA championship final set Bill Walton, who scored 44 points for UCLA in this same game against Memphis State in 1973. At that time, the building was known as the St. Louis Arena; it is now called the Checkerdome.

A crowd of 18,721 gave Givens a standing ovation, calling his nickname of "Goose," as the brilliant Kentucky forward left the game with 28 seconds remaining. He later returned with the rest of the team.

The Blue Devils made a frantic rally near the end of the game and cut Kentucky's once formidable 92-86 after Hall had removed his seniors from the lineup in the last half minute.

With 10 seconds left and Kentucky's stars back on the floor, Mike Gminski hit a 15-foot jump shot to trim it to 92-88. But Givens, Rick Barry and company stayed in there to clinch the Wildcats' victory.

After Kentucky broke Duke's fullcourt press, as Lee, considered by many the best sixth man in college basketball, put the finishing touches on a triumph with a dazzling slam dunk in the closing seconds.

The victory was especially sweet for Hall, who had led in his pre-game press conference Monday night. His senior-studded team had faced almost unbearable pressure during the season because of its national ranking for all but two weeks of the year. He also talked about pressure from the Kentucky fans, who wanted nothing less than a national championship from the start of the season.

They were pinned with the label "the Fold-up" by some of their hard-line fans, even though they lost just two games in 32 all year.

But, however, was greeted by the song, "My Old Kentucky Home," as he stepped to center court to receive the NCAA championship trophy, the burden of the tough year having been lifted from his shoulders.

## Consolation game smays coaches

ST. LOUIS, Mo. — The consolation prize in the NCAA basketball playoffs is no consolation to Eddie Sutton.

"I hope in the future we can figure a way of making the consolation game," says the Notre Dame coach. "It's an emotional letdown and unfair to the kids involved."

Sutton, part of a growing legion of basketball coaches who are making a stand against the third game at the NCAA championships, unceremoniously one of his pet peeves Sunday.

Speaking at a news conference prior to tonight's championship finals, Sutton made the motion to throw the virtually meaningless contest. Arkansas' Eddie Sutton seconded the motion.

"I feel it's unfair to have it," said Phelps, whose team Irish meet Sutton's Razorbacks in the primary contest prior to the title game between Kentucky and Duke. "It's unfair for everyone involved."

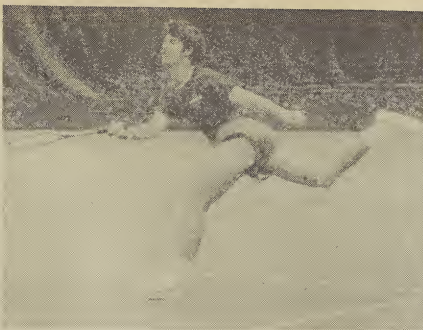
"We've bypassed consolation games in the past and it's fair to the teams involved. I'm in the situation, and I know it's fair to the teams involved here, too. Maybe now that we're playing the consolation game on Sunday, we could play it as a primary to the championship game. Playing the consolation game then could really add a lot of color and flavor to the players involved and the crowd."

Sutton's reference was to an All-Star game sponsored by the National Association of Basketball Coaches, played Sunday at Kiel Auditorium.

Asked what he'd rather do than play the consolation game, Phelps quipped, "Let's go to Busch Gardens. I gave up beer for Lent and I can start drinking now."

Sutton, whose Arkansas team lost to Kentucky after the game was beaten by Duke Saturday at the Checkerdome, isn't exactly thrilled with the prospect of a consolation game. "I don't want to either. I did this Saturday and I agree with Digger that the consolation game should be eliminated," he said. "I told the NCAA committee this and hope they would take a long look at doing away with it. And I can play 'Horse' or go one-on-one instead of having a consolation game."

Sutton added, "On second thought, I'd have a chance against Digger if we played 'Horse.'"



Universe photo by Brent Downey  
BYU's Mike Nissley helped lead the nettlers to a 14-2 victory over Weber State Monday.

## Win 14-2

# Netters beat Weber State

The BYU tennis team, getting prepared for this week's match with the University of Utah, took on Weber State Monday and came away a decisive winner.

Led by Clark Diehl and Mike Nissley, the Cougar netters ran away with the match, winning 14-2.

In singles action, Diehl defeated Weber State opponent Damir Popadic 6-2 and 6-4. Coach Wayne Pearce said Diehl had surgery during the Christmas vacation and "is at 80 percent of his potential."

Number two man Nissley, a senior from Santa Monica, Calif., had an easy time defeating Jan Perran 6-0 and 6-1.

Nissley is the veteran of the team. Two years ago he was a semi-finalist at the NCAA championship, but sat out last year with an injury.

BYU's Tony Trear needed three sets to put away Terry Newmin. Trear won the first set 6-2, lost the second 4-6 and came on in the last set to win 6-3.

Eric Petersen, a junior from Santa Barbara, Calif., who was sick earlier this week, encountered competition in Tim Finger. Petersen squeezed by in

the first set 6-4, but had no problem icing the second set against Finger 6-0.

Rick Fought, who was number one in the Inter-mountain area and eighth in the nation in doubles play, took on Kevin Kempin and defeated him in two sets, winning 6-4 and 6-2.

The only defeat for BYU in singles play came to Paul Peterson who lost to Vic Blocker. Peterson won the first set 6-4, but Blocker came back to take the next two, winning 6-2 and 6-3.

In doubles play, Diehl and Nissley took on Kempin and Perran and defeated them 7-6 and 6-4. In the second doubles match, Weber State's Popadic and Newmin won by default over Trear and Fought.

The team of Peterson and Petersen defeated their opponents Finger and Block with a decisive 6-0 first set, but had to fight back to win the second set 7-6.

For Pearce and his team, the remainder of this week will be spent practicing for this weekend's match with the U of U. "For us," Pearce said, "next week is our season. Utah is rated seventh in the nation and is the defending WAC champion."



**"Some Things Don't Come Easy."**  
The newest album from **ENGLAND DAN & JOHN FORD COLEY**



Includes the hit single, "We'll Never Have To Say Goodbye Again"

BT 74004  
Produced by Kyle Lehning

also **CORY WELLS**

IN THE MARRIOTT CENTER  
THURSDAY, MARCH 30 8 P.M.  
All Seats Reserved: \$4.50 & \$5.50  
(\$1.00 Student Discount)

**TICKETS NOW ON SALE**

**30 MINUTE FREE DELIVERY**



**\$10.00 off**  
any 10" or larger pizza  
One coupon per pizza  
Name \_\_\_\_\_  
Phone \_\_\_\_\_  
Expires 4/2/78

**374-5800**



# UTAH VALLEY HOSPITAL



5,619 babies were born at UVH in 1977, a large number of whose parents are BYU students. Such as Rachael Ann Born on March 24

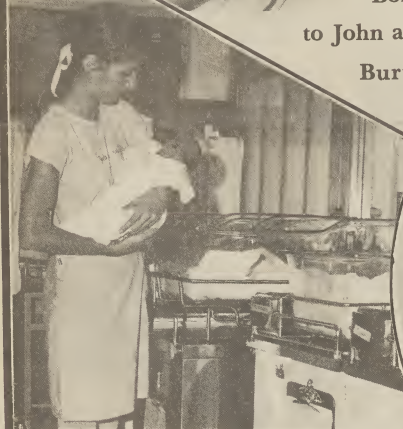
to John and Gwen Burton.



Jeralyn Brown Ed. Coordinator Instructs Medical Technology Students

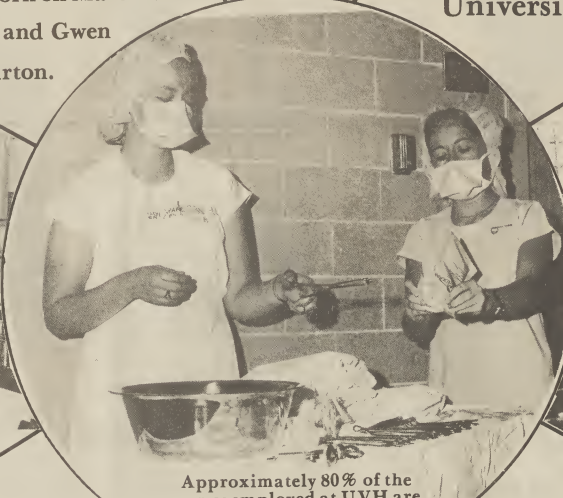


Dietary Students from Brigham Young University



## ICU Nursery

Intensive Care Nursery facilities at UVH are among the best in the state



Approximately 80% of the nurses employed at UVH are BYU nursing graduates.

## The New Utah Valley Hospital



## Same-Day Surgery

Costs for some minor operations have been reduced as much as 50% with the Same-Day Surgery Program

## Services Included

in the New Hospital —

- An enlarged pharmacy.
- More than double the old floor space with the addition of a modern seven story patient tower.
- A greatly expanded emergency center.
- Double the number of operating rooms.
- Increased bed capacity from 262 to 382.
- A new modern, sophisticated radiology department.
- Enlarged same-day surgery unit.
- Sun-filled single care patient rooms with private shower and restroom facilities.

Existing structure includes expanded physical therapy, pediatrics and obstetrics. Work is under way for beautifully remodeled and enlarged nursery and maternity areas.





# BYU's Life Science Heritage . . .

## Section One



The Monte L. Bean Life Science Museum stands at the footstep of majestic, snow-capped Mt. Timpanogos, across the street from the Bell Tower.

Universe photos by Brent Peterson

### The 'Cluff legacy'

## *A dream is fulfilled in new Bean Museum*

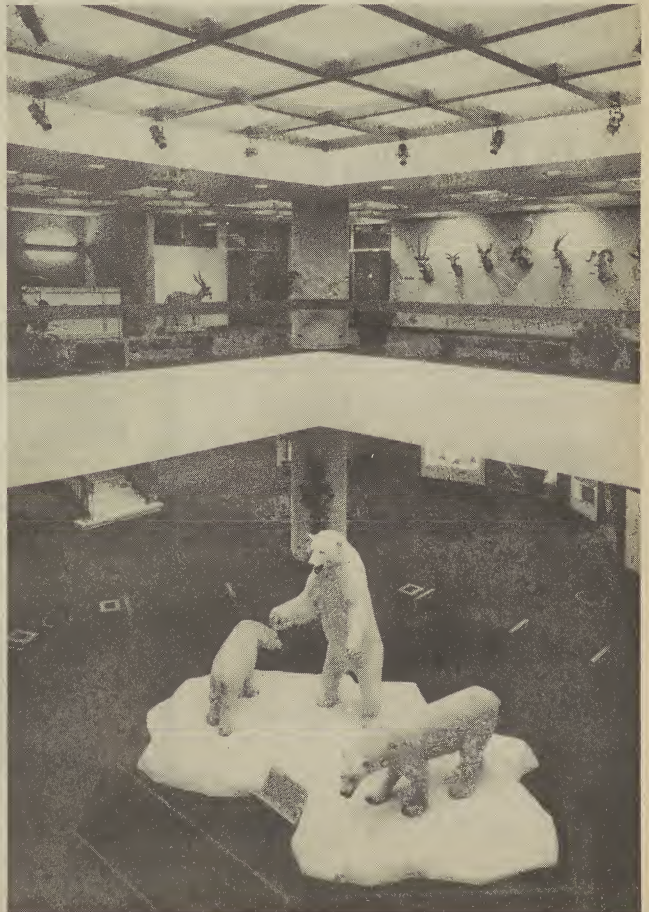
Back in 1900 Brigham Young Academy President Benjamin Cluff, Jr. set out to gather one of the finest museum collections in the western United States. With a group of fellow professors and students, Cluff embarked on the ill-fated "Brigham Young Academy Exploring Expedition," in search of the Book of Mormon city of Zarahemla and to study the flora and fauna in the jungles of Mexico and Central and South America. (See p. 26)

Although Cluff never found the fabled city, the tradition for displaying museum collections took root after the expedition returned in 1901. Specimens of plants and animals collected on the Cluff expedition, mostly by Chester Van Buren, eventually found their way into elaborate display cases at the then fledgling Brigham Young University. A "museum philosophy" sprouted and grew.

Over the years, a long line of scientists, students in the sciences, and amateurs expert in the various fields of natural history explored the earth, collected specimens of its flora and fauna, and brought them or donated them to the learning centers of BYU, adding to the original Cluff legacy.

With the dedication today of the new life science museum, Cluff's dream of "one of the finest museum collections in the western United States" is being fulfilled. Thanks to those who followed in the footsteps of the science-minded BYA president, as well as the generosity of a modern-day explorer, naturalist and successful businessman (See p. 22), the University now has one of the West's significant natural science repositories and research centers.

After President Nathan Eldon Tanner delivers the dedicatory prayer today, the Monte L. Bean Life Science Museum will open its doors to the public, and BYU will embark on a new era in these all-important fields of natural history.



A display of polar bears is located in the center of the atrium of the Bean Museum.



# Copper crowns Bean museum

By JANETHA WILKINSON  
Universe Staff Writer

Every doorknob and every latch in the Monte L. Bean Life Science Museum is just a little bit better quality than those in any other building.

"Even when you approach, you know this is a special building," Robert Fowler, architect of the museum, said. The four front doors are hand-carved redwood,

portraying everything from an armadillo to a water buffalo.

"It's top quality," Fowler said. "A very crisp, classic statement of a building."

The multi-million dollar classical modern building contains 92,500 square feet. It's equipped with a copper roof, a controlled "growth chamber" with its own environmental system, a refrigerated room for storing animal hides, and a theater-lecture hall.

Fowler started working on the design in October, 1975. "The building is designed so that in the future other buildings can be attached to it," he said. "It possibly will be a total museum complex, with an earth science museum and an art museum."

"These factors dictated where it would be built, and to a large extent how," he said. "The space has been set aside and designated in hopes that it (the expansion) would be possible."

The design program for the building was carefully stipulated to Fowler by the university. The museum is set up to guide people through specific exhibits. The non-usable space is the only thing that was not specified to me," he said.

In the preliminary stages, Fowler suggested a "super-market variety" design, since Monte Bean was in the supermarket business, Fowler said. "But it's his life memorial," Fowler said. "He wanted a monumental building — and it looks like it."

The museum is symmetrical in all four directions, according to the builder, Allan Layton, Jr., of Layton Construction Co., Salt Lake City. "You can cut that building down the middle, and it's like a mirror — both the north-south, and east-west sides are symmetrical," he said.

The copper roof was placed on the museum for both beauty and practicality. "That roof will last 100 years, it won't have to be replaced like normal roofs," Layton said. "It's also very expensive, and kind of the crown on an exquisite building."



The architect for the Monte L. Bean Museum, Robert Fowler, explains some concepts for his design from his Salt Lake office.

"It's an accent to the museum rather than just a black thing up there," he added. "You can see the roof from all four sides; there aren't very many buildings like that."

The museum is also the only building on campus fronted with marble, and according to Layton, special craftsmen were brought in to install hardwood handrails. "Everything was done the best it could be — it's definitely top-drawer," he said. "Certainly not just an average building."

The ceilings and walls in the museum are flexible, and can be modified simply. "In most buildings, half of the initial cost is usually spent changing, or remodeling things later," Fowler said. "Over the years buildings change drastically — this one can be changed easily."

The lighting in the museum and the air conditioning system can be relocated when changes are made, and all of the display cabinets are demountable.

Fowler said the Bean Museum will have national and international significance, not only because of the collection it houses, but also because of the research and teaching facilities that are available.

"We've given the building a heart — right in the center," Fowler said. "so that when you walk in, you can relate to both the first and second floors." The "heart" of the building includes the polar bear exhibit, in the center of the main level, and the theater on the first floor. Everything else is built around that.

**NOW AT  
"ONE" GREAT  
LOCATION ...**

... 245 NORTH UNIVERSITY IN PROVO WHERE

Clark's unique combination of Tuxedo Shop and World Travel Service are passed on to you for meaningful discounts on your Honeymoon Tuxedos.



**SAVE**

10% On 5 or More Tuxes!  
— OR —  
20% on 5 or More with Honeymoon

**TUX SHOP  
373-1722  
TRAVEL  
374-6200**

**Clark's**  
245 NORTH UNIVERSITY IN PROVO

**Classes now forming.**

**DAT** MCAT • GRE • DAT  
OCAT • GMAT  
SAT • VAT • LSAT

NMB I, II, III  
ECFMG • FLEX • VQE  
NAT'L DENT BDS • NURSING BDS

**STANLEY H. KAPLAN  
EDUCATIONAL CENTER®**

Test Preparation Specialists Since 1938  
OPEN DAYS, EVENINGS, & WEEKENDS  
For Information, Please Call:

445 N. University, No. 211 374-1000

**Time & Eternity Bridal's**

**\$99.**

**BRIDAL GOWN SALE**

Introducing our new line of bridal gowns for the more budget conscious bride. Priced from \$120 to \$140, these beautiful gowns are on sale for \$99 now through April 3. With many designs to choose from, featuring Venice and Chantilly laces, Sheer Organza, Satinure, and Quiana fabrics, tiered skirts, and satin ribbon, to adorn the most beautiful bride on her wedding day.

Featured gown — Chantilly



CONTINENTAL PLAZA 250 WEST CENTER, #100, PROVO

## Personal Touch Diamonds Direct from their Cutting Plant.



Mr. Wins of Antwerp, Belgium

**No Agents**

**No Brokers**

**No Middlemen**

**No Representatives**

**The Largest Selection of loose Diamonds in Utah.**



Phone  
**375-3080**

**DIAMONDS DIRECT**

15 EAST 300 NORTH / PROVO  
American Savings Building - East Entrance

Monday thru Friday 10 AM to 6 PM / Saturdays 9 AM to 12 PM

"Masterpiece settings also far below retail prices"

**Diamonds are their business**

Mr. Wins was born and raised in Holland and is the fourth generation of a diamond cutting and distributing family. He moved from Antwerp—the world diamond center—because of his many friends in this area.

Mr. Wins still maintains offices and factories in Antwerp, Tokyo, Japan, Johannesburg, South Africa; Milan, Italy; Barcelona, Spain; and Berlin, Germany.

His son, Guy, manages their local "Diamonds Direct" business which specializes in the sale of rings, certified diamonds, sapphires, emeralds and rubies at wholesale prices.



Pat Stubbs, Manager

**Featuring Mini World**

**Dresses made here in Provo**

**The feminine look. Home of Mini World seconds and irregulars at 1/2 regular price.**



**Mini World Store**  
Center University Mall (801) 225-5200 Orem, Utah 84057





# One of the Fine Things in Life... a diamond from *Schubach* "Famous for Diamonds" JEWELERS

Fine Selection and fine service are synonymous with the Schubach name. Our new store manager Jim Reid is a diamond expert, and your choice is as unlimited as our ring styles



A fine reputation is also part of of story. For 79 years Schubachs has served the needs of jewelry buyers just like you. The time was never better to see us for all your jewelry needs.

# Schubach

"Famous for Diamonds" JEWELERS

UNIVERSITY MALL

225-9160

Cottonwood Mall • ZCMI Mall  
Valley Fair Mall • Ogden • Cache Valley Mall  
Downtown Salt Lake • Fashion Place Mall



# Tanner: from student to director

By JANETHA WILKINSON  
Universe Staff Writer

Born and raised in "out-of-doors" country, Dr. Wilmer Tanner headed for BYU as a student more than four decades ago. He had a notion to take up drama or history, but something about the out-doors compelled him to study biological science — that's when the director and curator of the Monte L. Bean Life Sciences Museum got his start.

BYU," he recalled, "they were just finishing the Eyring Science Center. The only other buildings were the Joseph Smith Building, the Grant Building, the Brimhall Building, and the Maeser Building."

"Shortly after I got here, all the veterans were coming back to school. There was really a push on education," he said. "This place was growing like mad."

"Of course it was necessary to build more buildings and hire more professors," he added. "But the funny thing is, we used to teach three or four classes a semester. I doubt if teachers have that kind of load today."

Tanner compared the multi-million dollar building he was standing in to the single classroom that housed the entire museum when he was a student.

"I remember when the exhibits were in the old

Education Building on lower campus," he said. "The museum was in a central room by the overpass — we used to call it 'Room D.'"

"In 1936 we moved everything to the Brimhall Building," he said. We dismantled everything and reorganized it, some of it had to be stored because there wasn't enough room."

After Tanner earned his bachelors and masters degrees at BYU, he taught science in Provo schools and did his doctorate work at the University of Kansas.

When he came back to BYU in 1949, Tanner didn't plan on teaching. "I was interested in other things," he said. "But they were laying everyone else off, and a teaching job opened up. So I took it. I've been in the teaching game ever since."

Tanner isn't "just" a professor, however. He spent anywhere from two weeks to two months in Mexico every summer for 10 years doing field work. It is largely to his credit that BYU's



Dr. Wilmer Tanner, director and curator of the Monte L. Bean Sciences Museum, examines one of hundreds of trophies that has moved to the Bean Museum.

"I had to find out what it was and where it should be placed," he explained. "It's kind of like animal genealogy."

Tanner has progressed from the student in a one-room sparse collection of polar bears and reptiles to the director and curator of a nationally recognized multi-million dollar museum.

Classes now forming

**LSAT** MCAT • GRE • OCAT • GMA SAT • VAT • L

NMB I, II, III  
ECFMG • FLEX • VQE  
NAT'L DENT BDS • NURSING B

**STANLEY H. KAPLAN EDUCATIONAL CENTER**

Test Preparation Specialists Since 1947  
OPEN DAYS, EVENINGS, & WEEKENDS  
For Information, Please Call:

445 N. University, No. 211 374

## RELOCATION SALE!

Baby Furniture  
cribs, dressing  
tables, 4 drawers  
chests

40% off



ALL LAMPS  
40% off

prices start as low as \$8.99  
Save from \$5.39 to \$62.48



ENTERPRISES a great new name in furniture!

**CARTWRIGHT'S**  
FURNITURE  
Quality, Service, Selection

200 North Second West Provo  
At Central Square  
Telephone 373-2600

## THE OMBUDSMAN and MONEY MANAGEMENT CENTER a part of BYU's Heritage through helping students.

The Ombudsman provides help to you, the student, in the following areas:

- LEGAL PROBLEMS answered through consultation with one of several participating local attorneys.
- CONSUMER PROBLEMS complaints or problems relative to insurance, sales services, local business, etc.
- UNIVERSITY PROBLEMS grades, teachers, housing, standards, etc.

The Money Management Center can help you plan and use your money wisely

This Is What We Can Offer

1. Complete consumer index
2. Consumer magazines
3. Free consumer brochures
4. Government publications
5. Newspapers
6. Book on consumer tips
7. Cassette tapes
8. Monthly consumer tips
9. "Money line"



The Money Management Center is in connection with The Ombudsmans Office

115 ELWC  
BYU Ext. 4132



## Students add final display detail

Forty planters, 25 waste containers, platforms to display polar bears, two-dimensional curved murals for paintings and enlarged photographs are just a few of the projects produced by Brian Hatch and his crew at the Monte L. Bean Life Sciences Museum.

Hatch, an undergraduate in graphic design, has been constructing interior furnishings and displays for the museum for over a year.

"A whole group of us are trying to stay on schedule and finish before the dedication," Hatch said, "but several times, we've needed the help of the Physical Plant to get many of the things completed."

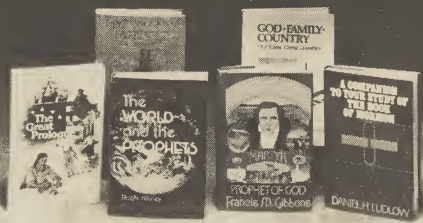
According to Hatch, ideas and plans come from the university, builders and the architect, and then it is the job of him and his group to put the idea to work.

"The design ideas are excellent," Hatch said, "but to put what's on paper into the spot that it fits has been quite a difficult job."

According to Hatch, the museum is equipped with a permanent shop to construct exhibits and furnishings. A dark room

and a graphics center are also being built in the museum for dispersion of materials and announcements.

## CONFERENCE BRINGS NEW PUBLICATION AND TREMENDOUS SAVINGS ON SELECTED ALL-TIME FAVORITES!



### Conference Specials

TITLE	AUTHOR	REG. PRICE	SALE PRICE
Aaronic Priesthood	McConkie	4.95	2.00
Companion to Your Study Of The Book of Mormon	Ludlow	6.95	3.00
Conference Reports (except Apr. '76, Oct. '77)			(ea.) .50
God, Family, Country	Benson	5.95	2.00
Gospel Truth vol. I	Cannon	5.95	2.50
Gospel Truth vol. II	Cannon	5.95	2.50
Great Prologue, The (hdbk)	Petersen	4.95	2.00
Hyrum Smith Patriarch	Corbett	6.95	3.00
Joseph Smith Martyr			
Prophet of God	Gibbons	6.95	4.00
Marriage And Divorce	Kimball	2.95	sold out .99
Please Tell Me, Gospel Questions Children Ask	Schoenfeld	4.95	3.00
Smallest Part, The	Maxwell	4.95	1.50
Speaking Of Children	Landau	5.95	1.00
Talks For Tots vol. II	Maughan	3.95	2.00
Titling: The Lord's Law	Doxey	4.95	1.25
Today's Family	Landau	3.95	1.25
Virtue Makes Sense	Petersen	3.95	2.00
World And The Prophets	Nibley	5.95	3.00

PLUS MANY MORE!

### NEW PUBLICATIONS

**Documentary History Of The Church**  
Paperback set: \$12.95  
**Joseph Smith, Jr.**

A. The complete set of the Documentary History of the Church, including index, will now be available in a beautiful boxed set. In the hardbound version, it ordinarily sells for \$55.65. This set will make a great contribution to a library. It also makes an ideal study aid for the 1978-79 course of study on the Doctrine and Covenants. Full color slipcase and book covers will add an attractive addition to your library.

**Special Introductory Price: \$11.95**

**The Promised Messiah \$10.95**  
**Bruce R. McConkie**

B. Now, through the writings of Bruce R. McConkie, comes a brilliant new insight. THE PROMISED MESSIAH is the first of three new volumes being written by Elder McConkie on the life ministry of the Savior. Through these works the reader can come to know the Master and His teachings. The volumes to follow, THE MORTAL MESSIAH and THE MILLENNIAL MESSIAH, will bring this great work to a turn. **Special Introductory Price: \$9.95**  
Available April 1st

### REGIONAL 10 BEST SELLERS FOR MARCH 1978

- (courtesy "Mountainwest Magazine")
- 1 Spencer W. Kimball
  - 2 Prayer
  - 3 Topical Guide
  - 4 To The Scriptures
  - 5 Charlie's Monument
  - 6 Mighty Change
  - 7 Miracles in Pinalores & Bluejeans
  - 8 Do-It-Yourself Destiny
  - 9 You And Your World
  - 10 Beyond This Moment 10 My Turn On Earth

All our profit supports missionary

**Seventy's Mission Bookstore**

148 North 100 West Provo, Utah 84601 373-3083

store hours 9:30 - 6 Mon-Sat

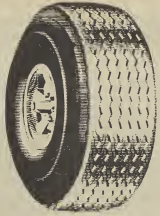
BankAmericard or MasterCard welcome

Heathman Chevrolet 100 West

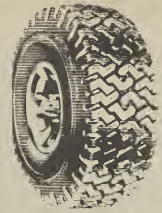
Sears 200 North

Seventy's Mission Bookstore





Z C M I

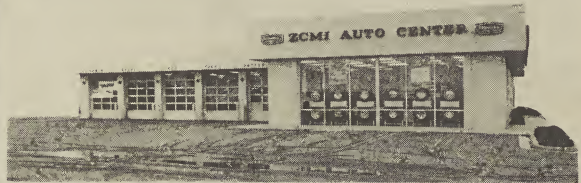


**B.F. Goodrich**

# TWO GREAT TIRE CENTERS



over 100 years combined experience



Doug Jeppson  
Center Manager



Wayne Shoell  
Asst. Center Mgr.



Bonnie Leavitt  
Secretary



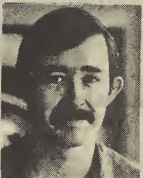
Max Henrie  
Center Manager



Mike Butler  
Asst. Center Mgr.



Doug Anderton  
Mechanic



Gail Muir  
Mechanic



Rex Hicks  
Tire Service



Colton Baker  
Tire Service



Jay Taylor  
Tire Service

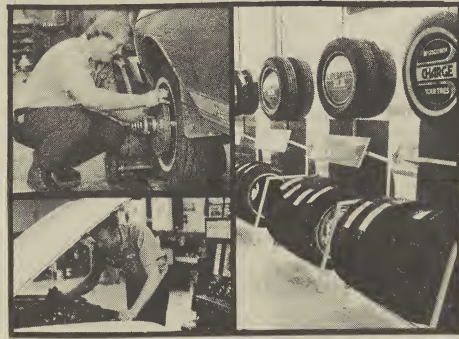
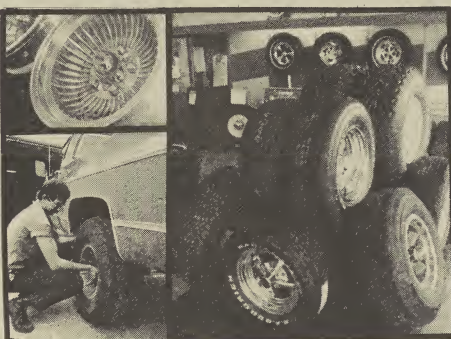


## B.F. Goodrich Car Care Service



- ✓ OIL
- ✓ SHOCK ABSORBERS
- ✓ MUFFLERS
- ✓ TIRES
- ✓ BRAKES
- ✓ FRONT END ALIGNMENT

- ✓ LUBRICATION
- ✓ STEERING-SUSPENSION PARTS
- ✓ ENGINE TUNE-UP
- ✓ AIR CONDITIONING
- ✓ CUSTOM WHEELS
- ✓ BATTERIES



### PROVO CENTER



B.F. GOODRICH  
TIRE CENTER  
Open 8 to 6:30 Mon.  
thru Fri., Closed Sat.

423 West 1230 North, Provo  
Phone 373-6715

VISA



LOCAL FINANCING AVAILABLE

### ZCMI



Open 9 to 6 Mon. thru Fri.,  
Sat. 9 to 4

1195 S. State, Orem University Mall  
Phone 224-1590



Museum donor

# Monte Bean: philanthropist

By ALICE TATE  
Universe Staff Writer

Monte L. Bean, the chief donor of the Life Sciences Museum, is a man who has been alert to the sweeping changes of society.

In his autobiography, "These Mortal Years," Bean describes his amazement at the technological advancements he has witnessed in his lifetime.

"The first time I heard a radio, I thought that I had tuned in to the angels," he said. "My first experience with radio must have been shortly after 1920. I went right out and bought a tremendous big radio set which came equipped with 'wet' batteries, such as are used in automobiles today. When I came home at night, no matter how tired I might be, I tuned in that radio to the most distant signal I could receive."

In July 1976, Bean flew to Provo for the museum ground breaking. It took one hour and 23 minutes to fly from Seattle to Logan and the 45 miles from Salt Lake City to Provo took only nine minutes. "As a man who well remembers the leisurely pace of the horses and buggies of my youth, the speed of jet travel never ceases to amaze me," he said.

From his early struggles selling shoes for ZCMI to his present position as a prominent Seattle businessman, Bean has learned that the man who succeeds is the one who can "delegate authority and responsibility wisely, and select the best men possible to do his work for him."

It was a young and ambitious Bean, growing up in Richfield, who was successful at several selling ventures, served as a stateside Marine in World War I and finished his courses at the

LDS University and Business College in only three years.

Although Bean applied for admittance to the University of Utah law school, he was turned down. "I was already making more money than 75 percent of the lawyers in Salt Lake City," he said.

While Bean was stimulated by the challenges offered by retailing, he always considered the acquisition of knowledge fundamental. "I would recommend that it would profit us all if we were to remain students all of our lives," he said. Bean suggests reading more. For the past 60 years he has risen between 5 and 6 a.m. "Just to read."

Bean is also a defender of the value of work. "I believe strongly that we are put on this earth to work, and idleness is not the natural role for mankind. His success in business undoubtedly stems from this philosophy."

Bean's upward climb in the business world began when he got a job with Skaggs as a bookkeeper in Salt Lake City in 1921 at \$25 a week. He said he "worked hard" and after the first week received a five dollar a week raise.

About that time he met the company president, O.P. Skaggs, who gave Bean many opportunities for advancement and position. Bean modestly claims that "my promotions within the company only reflected the general business climate in the U.S. The country was in a period of vigorous business growth."

Bean progressed rapidly in the Skaggs company, moving frequently to keep up with his promotions. After positions in Salt Lake City he worked in Ogden, Oakland, Calif., and returned to Ogden to manage the five stores there.

On May 24, 1922, he married Birdie Ann Saunders and they, along with millions of other Americans got caught in the stock market crash of 1929. "I went almost flat broke within a matter of weeks," Bean recalls.

But he survived the financial crunch and went on to work in management positions for Safeway and Pay 'n Save stores.

"Our fortunes have taken a mighty swing in our lifetimes," Bean says. "It has been a real rollercoaster ride! But in the final analysis, we seem to have achieved some sort of financial success."



Bean considers this Bengal tiger, shot in Africa, to be one of his best trophies. An entire native village helped Bean celebrate the event.



This bull hippopotamus was shot by Monte L. Bean on one of his safaris to Africa. Bean and his late wife, Birdie, examine some of his trophies when they were stored in the Grant Building on campus. Mrs. Bean died last year.

Bean, and his late wife, Birdie, made significant contributions to the LDS Church, Childrens Orthopedic Hospital, the Boy Scouts of America, certain organizations for the blind and a couple of schools for American Indians.

Speaking of the Beans' contribution that made possible construction of the Life Sciences Museum, President N. Eldon Tanner, First Counselor in the First Presidency said, "Sometimes, Monte, men like yourself do more good for the church than the rest of us. You are an example to the business world — people look up to you... and they feel kindly toward Mormonism because of the image of the church they have through you."

Bean has also contributed thousands of trophies from his hunting expeditions to the university. These were originally kept in the Heber J. Grant Building. "This was a wise move, and the school made good use of our contribution," he said.

Later, Bean and his late wife "agreed to build a first-rate life sciences museum" at BYU to house the school's displays and trophies.

Mrs. Bean died last year, but shortly before her death, she was able to tour the building in the late stages of its construction.

When asked why he decided to have (Cont. on p. 27)

Classes now forming

**GMAT** MCAT • GRE • D.  
OCAT • GMAT  
SAT • VAT • LSA

NMB I, II, III  
ECFMG • FLEX • VQE  
NAT'L DENT BDS • NURSING BD

**STANLEY H. KAPLAN  
EDUCATIONAL CENTER**

Test Preparation Specialists Since 19  
OPEN DAYS, EVENINGS, & WEEKEND  
For Information, Please Call:

445 N. University, No. 211 374-1

## MY TURN ON EARTH

by Carol Lynn Pearson  
& Lex de Azevedo



EXISTING NEW  
MUSICAL FROM THE  
COMPOSER OF

**SATURDAY'S WARRIOR**

Original soundtrack available  
on Embury Records

This heartwarming family  
adventure will have you laughing  
one minute and crying the next!

**SALT PALACE LITTLE THEATRE**

Friday, March 24 — 8 p.m. Friday, March 31 — 5 p.m. & 8 p.m.  
Saturday, March 25 — 8 p.m. Saturday, April 1 — 5 p.m. & 9:30 p.m.  
Monday, March 27 — 8 p.m. Monday, April 3 — 8 p.m.

RESERVED SEATING  
Friday & Saturday Performances — \$5.00  
Monday Performances — \$4.50

TICKETS AVAILABLE AT SALT PALACE BOX OFFICE  
100 S. West Temple 363-7681 & Salt Lake Z.C.M.I. ticket offices  
Doors open 1 hour before curtain time

have you ever looked into a  
diamond closely?



We're sure you have, but did you really know what you were looking for. We at Chalmere Diamonds believe that a quality diamond is quite easy to distinguish from the majority of diamonds on the market. We would like to have the opportunity to show you what "quality" in a diamond should look like. Then shop around and let the diamonds speak for themselves.



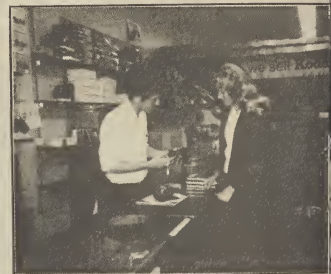
**Chalmere Diamonds**

58 NORTH UNIVERSITY AVENUE 375-5282

## Beehive Photo

Full Service Dealer  
of all Fine Quality  
Photographic Products.

Student Discounts



**Canon  
Canonet  
E-III 17**

\$119.00



The professional's  
fun camera.

- FREE Tote Bag
- FREE Camera School
- FREE Beehive Bucks

**Beehive Photo**

NEW LOC  
IN PRO  
125 W. C  
377-57



# Insects don't bug curator

By KIM MEYER  
Universe Staff Writer

People may get a little bash at the mention of bugs, but Stephen L. Wood, who is of the insect department at the L. Bean Museum. In fact, especially bark beetles, are professional pests.

Wood said he was fascinated with the tunnels dug by the bark beetles because they were so regular and precise. He decided that summer he wanted to study beetles.

Now Wood is a world-wide expert on bark and ambrosia beetles and his personal collection is the largest in the world.

eight miles away; there wasn't much to do. My brother-in-law, who is an entomologist, knew I had to have a collection of 40 insects for my high school biology class so we started collecting together."

Wood said he was fascinated with the tunnels dug by the bark beetles because they were so regular and precise. He decided that summer he wanted to study beetles.

Now Wood is a world-wide expert on bark and ambrosia beetles and his personal collection is the largest in the world.

There are many facets to Wood's job at BYU. First, he has been the editor of the "Great Basin Naturalist," a journal for technical and scientific papers in the field of biological natural history, since January 1970. He is also the editor of the "Great Basin Naturalist Memoirs" which is published once a year and is for papers which are more than 100 pages long.

Anyone may submit papers for the journals and the articles will be subject to peer review. Wood said 70 percent of the authors are from off-campus and have no connection with BYU or the LDS church.

Another facet of Wood's job is working as the curator of the insect department. BYU has a collection of about 900,000 insects. Two thirds of them are on pins and one third, such as the soft-bodied grubs, are preserved in alcohol. Fleas and parasitic animals are stored under glass slides.

"The BYU insect collection is the largest in Utah and any state surrounding Utah except for the collection at Arizona State University," Wood said.

Most of the insects were collected by Wood or by Dr. Vasco Tanner, along with contributions from graduate students. "It takes time and expense to find insects. We have to be selective. Some are common, with no scientific value, and some have tremendous scientific value. We bring them here and mount and label them."

The insects are sorted and if people here are not able to identify the insects they are sent to those who can. Colleagues interchange ideas and trade specimens all the time.

However, BYU does not sponsor any collecting trips. From 1959 to 1978, Wood has had research contracts with the National Science Foundation. He primarily looks for bark beetles but picks up "other bugs along the way."

Three years ago, the Smithsonian Institution sent Wood and a graduate student to India and Ceylon to look for beetles.

Wood also teaches graduate classes

in entomology, although he is not teaching this semester.

His own research is another facet of his job. Wood travels world-wide classifying the habits, behavior and ecology of the 8,000 kinds of bark and ambrosia beetles. Bark beetles, which can be as small as .54 millimeter, feed directly on the phloem tissues in trees which are in their dying stages. They bore into the bark, dig a tunnel and lay eggs along the tunnel. They are the number one killer of pine trees from the west, southeast, and mountain area. "The Western Pine beetle kills about one billion board feet of ponderosa pine per year."

The ambrosia beetle is a wood borer and cultures fungus. It is the carrier of plant diseases caused by fungus.

Wood said his job is to refine the world's classifications of beetles. He works with approximately 1,500 forest entomologists around the world researching the techniques of control for the beetles.

In at least 10 or 15 cases, Wood's expertise and knowledge has touched off campaigns resulting in saving a country literally millions of dollars. "In 1973, a certain type of beetle that eats the insides of coffee beans got into the beans that grow in Guatemala. Since coffee is a multimillion-dollar money crop in Central America, correct identification of the beetle was necessary. After I identified it as the coffee devouring beetle, the Guatemalan government had to spend millions of dollars to eradicate it."

The most interesting trip Wood said he has made was to New Guinea in 1972. He was attending the International Congress of Zoologists Conference in Canberra, Australia, and had a friend who set him up on an expedition.

"I had the best two-week expedition ever. I had a house and a jeep for my own use, and five new Guinea natives to assist me, one of whom spoke English. One was the driver of the jeep, three were tree choppers and the English speaking native identified the New Guinea trees. They were in-



This mounted beetle is one of over 900,000 insects kept for entomology studies in the Bean Museum.

teresting people — they had rings in their ears, bodily tattooing and all five had seen human sacrifice when they were young."

Ten days in Moscow was also an exciting trip for Wood. During another conference, he, Julius Rodinski, a colleague from Oregon State University, and scientists from Poland, Lithuania, Russia, East Germany and Rumania talked for two hours in four or five different languages.

Each man knew only some of the language of another man in the room. "Everyone translated for everyone else and everyone was most helpful. Here were the top people in bark beetle research gathered together and we were all scientists — we had complete freedom in exchanging ideas."

Wood's job also includes working on a taxonomic monograph, which is a comprehensive account that reclassifies all the bark and ambrosia beetles in Central and North America as to behavior and habits. He has been

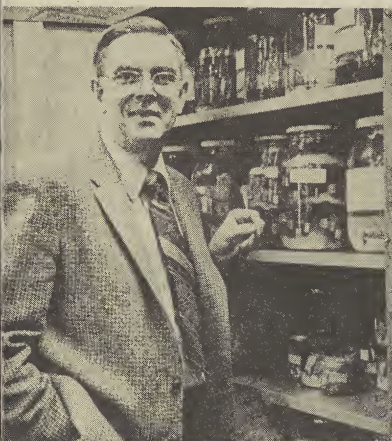
working on it off and on since 1945. When he finishes, he plans to start classifying the bark and ambrosia beetles in South America.

Wood did his undergraduate work and received his master's degree from Utah State University.

His first job was created for him by W. J. Brown, curator of beetles at Ottawa. Brown had visited him during Christmas vacation for the three years he was doing his graduate work at Kansas.

The job was at the Canadian National Collection of Insects, which is the second largest collection of insects in the western hemisphere. "A BYU student that I trained now has my old job," Wood said.

He said what is done with the insect department in the Monte L. Bean Museum depends on the money appropriated to the department. Plans include putting pictures and write-ups about the insects on the cabinets they are stored in.



Universe photos by Val Brinkhoff

Stephen L. Wood, curator of insects for the Life Sciences Museum in the collection of soft-bodied insects.



## Leaders In Today's Research

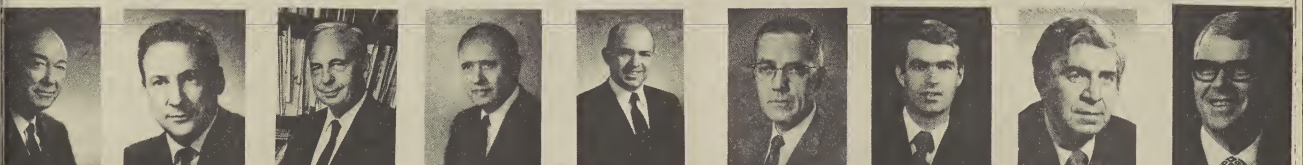
Eyring Research Institute

We play an important part in Central Utah's economic and ecological advancement.



- Over \$6 million in research contracts completed
- Approximately \$3.1 million in current research programs
- Over 75 full-time employees
- Over 100 part-time employees
- Direct assistance provided through research and development service to NASA, U.S. Department of Energy, Texas Instruments, State of Utah, Praxos, Provo City, United States Air Force, Bureau of Mines, Bureau of Reclamation, Southern California Edison, Mountainland Association of Governments, Utah Power & Light Company
- Over \$1 million spent locally on equipment and supplies yearly
- 15,000 sq. ft. of laboratory and office space and an additional 1,000 sq. ft. rented
- A payroll exceeding \$1 million a year
- Research & Development areas are of interest to all members of the BYU faculty. Such areas include (but are not limited to): health care, social sciences, language research, business and economics, community and economic education, minority programs, environment, digital systems, statistical and experimental design and data analysis, engineering sciences and technology, applied mathematics and theoretical physics, physical and mathematical sciences, arts and humanities, and fossil fuel research.

The members of the Board of Directors are unexcelled in the business of research. Prominent financiers, businessmen, scientists and engineers, they actively and continuously supervise ERI's development.



- |   |  |  |   |  |   |  |  |  |
|---|--|--|---|--|---|--|--|--|
| <b>Carlisle Harmon</b><br>Chairman of the Board<br>Under a well-known holding many patents. Formerly a director of research in the aerospace industry and at Southern Illinois University. President of the Chicago Division Johnson & Johnson. | <b>Dr. Ronald G. Hansen</b><br>President & Director<br>Formerly a director of research in the aerospace industry and at Southern Illinois University. President of the Chicago Division Johnson & Johnson. | <b>Dr. Henry Eyring</b><br>Director<br>The institute is named after Dr. Eyring, the world's leading authority in chemical kinetics, and one of the most distinguished scientists of our age. | <b>William R. Gould</b><br>Director<br>President of Southern California Edison Company. He is an internationally recognized engineer. | <b>John A. Dahlstrom</b><br>Director<br>A prominent Utah attorney and banker associated with the law firm of Parsons, Behle & Latimer. A former advisor to the U.S. Commissioner of the IRS. | <b>Dr. William F. Edwards</b><br>Director<br>A former investment analyst and executive and holder of the Driggs Chair of Banking and Finance at Brigham Young University. | <b>Gaylord Swin</b><br>Director<br>Is a vice president for the Freeman Institute dealing in constitutional law and a researcher and lecturer on political economy. | <b>Dr. Alex G. Oblad</b><br>Director<br>One of the world's most widely recognized coal researchers. Distinguished professor of Fuels Engineering of the College of Mines and Minerals at the U of U. | <b>John Crawford Jr.</b><br>Director<br>Well known in the field of law, he is presently Executive Vice President and Director of Mountain Fuel Supply Company. |
|---|--|--|---|--|---|--|--|--|

# Eyring Research Institute

1455 WEST 820 NORTH PROVO, UTAH 374-2434



# Rare oological collection on display

By DAVE ALLEN  
Universe Staff Writer

A rare and unique collection of bird eggs will go on public display as the Monte L. Bean Life Science Museum opens today.

The collection, maintained by the university for research and educational display, includes between 2,700 and 3,000 sets of eggs and is the largest such collection in the Intermountain Region.

Dr. Herbert Frost, professor of zoology at BYU, explains the real value of the new museum's oological (bird egg) holdings.

## Before DDT

"At first egg collecting was simply a hobby like stamps, but something which has made these collections extremely valuable in recent years is the spread of DDT in the environment. Most of these eggs were collected before the spread of DDT."

DDT has a profound effect on the thickness of eggshells, Frost says. A tray of deformed eggs in the museum's collection is evidence of what happens when the insecticide inhibits female birds' ability to produce calcium in egg shells. Sometimes eggs are laid with no shell at all. Collections like the one at the Bean Museum give ornithologists a base with which to compare today's bird eggs.

The excellent preparation and documentation of the museum's collection adds to its value, Frost observes. "The men who collected and donated these eggs were meticulous in recording such things as the number of eggs and where they were laid. This gives us a fix on where a particular species of bird was laying its eggs. From the records kept by these men we are able to get a picture of breeding habits, nesting habits and even the materials used in the nests."

## Private collections

Over the years the department's holdings have been enlarged by donations from private collectors throughout the state. Frost has been instrumental in acquiring much of this collection. "The donation of the collection of hobbyist Robert G. Bee and his son, James, of Provo was the beginning of our collection," Frost says. To this was added the collection of John Hutchins of Lehi, Merlin Killpatrick of Ogden and the specimens of Lloyd Gunther.

"These eggs come primarily from the Utah area," says Frost, "but not all of them. In early times no permit was needed to collect eggs, and hobbyists would trade them like coins or stamps. Consequently each collection contains eggs from other parts of the world."

Several years ago, through Frost's efforts, BYU obtained the holdings of J.

Donald Daynes of Salt Lake City, one of western America's foremost oologists. The Daynes collection, representing his life's work, includes 984 clutches of birds eggs, totaling more than 3,000 individual eggs, catalogs, extensive field notes and drawers, cabinets and display cases.

## Difficult process

Collecting eggs was a long, slow process for these oologists, says Frost. "They had to collect the eggs after the mother bird had finished laying, but before the eggs had a chance to incubate very long. They had to find a nest and watch it for a time to see if any more eggs would be laid. When no more new eggs were being laid, they would pick them up."

The collectors prepared the eggs by drilling a tiny hole in the bottom and forcing water into the egg by means of a pipette. This is where the timing of the egg pickup became crucial, Frost says. "If the egg had a chance to incubate for a time, the bones of the baby bird would begin to form. Then they had to inject a substance that would decompose the material within the egg so it could be removed."

Daynes, who will be on hand for the dedication of the new museum, vouches for the difficulty of egg collecting at times. "Wood ticks were often pesky little creatures when you had to walk through brush to get to

your eggs," he said. "We used turtletime to get them off."

## Hobblecreek encounter

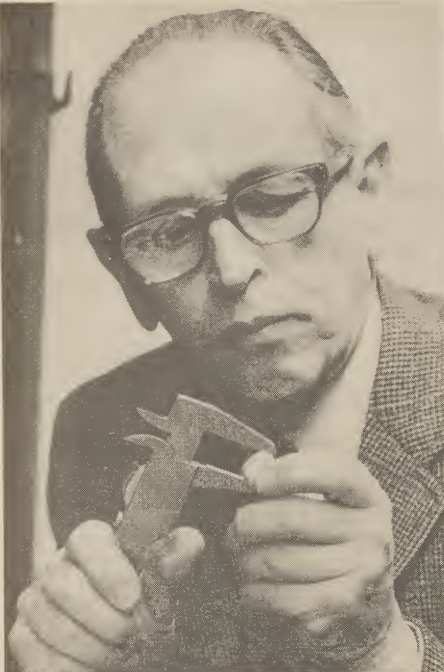
Once he came face to face with his face into the small opening narrow cave in Hobblecreek Canyon, "I squeezed tight and got stuck in entrance," he says, "and with the den flapping of wings in my face, I thought I had really had it."

On another occasion, when Daynes and the late Robert G. Bee of Provo were looking for raven's nests in Silver Valley, they stumbled on to a snake. Exploring it, they encountered a nest of baby bobcats and an snarling mother. "Lucky for us, mother cat patiently tolerated our intrusion," says Daynes.

## Extremely valuable

Oology, relatively common but Daynes collecting days, is for all practical purposes impossible today, Frost. Permits to collect eggs can only be obtained in very special cases. For this reason the collection at the Bean Museum is extremely valuable.

Much of the museum's vast collection will be on view to the public during the open house, according to Frost. "Some of the cases will be opened showing many of the various kinds, sizes and colors of the specimens in our collection."



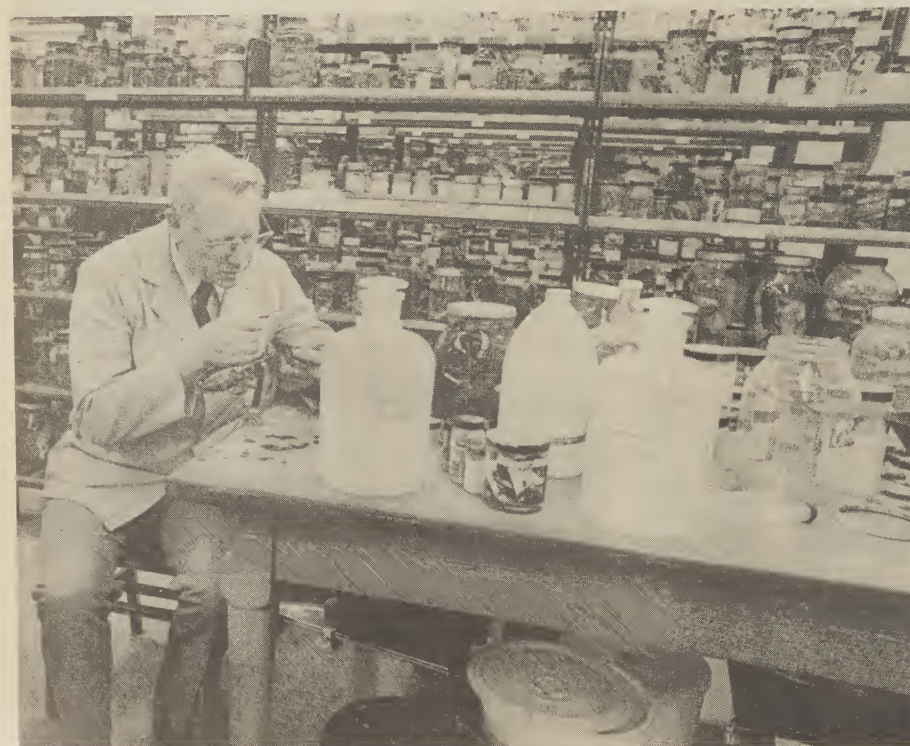
Dr. Herbert Frost, professor of zoology and curator of the Bean Museum's oological (bird egg) collection, measures a small egg in his laboratory.



A nest containing tiny hummingbird eggs is part of the museum's vast bird egg collection. This particular specimen was donated by J. Donald Daynes.



Dr. Frost, left, and Museum Director Dr. Wilmer Tanner examine one tray of bird eggs with Mr. and Mrs. J. Donald Daynes. The Daynes donated the vast oological collection to the Bean Museum, which will now be on public display in the Bean Museum.



Dr. Wilmer Tanner, director of the Bean Museum, studies reptiles in his old laboratory in the Grant Building. He is one of the West's foremost experts on reptiles. (See p. 20)



Dr. Stephen Wood, left, and Levi Phillips study a small portion of the terfly collection that will be on display in the new Bean Museum. (23)



# Museum to benefit local public

head of a hippo-  
tus, a six foot stuf-  
folar bear and a  
y of wild birds  
provide as much  
to local resi-  
dents and tourists  
as will to BYU stu-

many of the teachers at  
her school will utilize it  
for field trips.

"The museum will  
give students a chance to  
actually see the animals  
and birds they read  
about and see on televi-  
sion," Mrs. Frazier says.

Both Willis and Mrs.  
Frazier said they would  
definitely like to take  
their own families  
through the museum.

Allred said the  
museum will offer its  
services to anyone who is  
interested.

For larger groups who  
want to tour the  
museum, graduate stu-  
dents and volunteers will  
give guided tours by ap-  
pointment. Verla  
Hainie, executive  
secretary to the director  
said.

se items can be  
in the Monte L.  
Life Science  
m located next to  
Marriott Center.

oose, lion, walrus  
ear head are just a  
the items to be  
on the second floor  
museum.

Bean Memorial  
houses prints of  
is photographed  
an in Africa and  
phies he collected  
nting and fishing  
tions throughout  
rld.

nerous mounted  
ils from South  
n, Africa and  
cluding a panther,  
d, and wolverine  
at attention  
to be observed  
l, egg and plant  
ions are located  
hout the museum.  
usual collection is  
guin collection in  
Antarctica.

riety of birds from  
on Young's bird  
on gathered while  
in Utah, are part  
museum's bird  
on.

ctors and tour  
will be on hand to  
y plants, birds,  
s, insects, shells  
her items visitors  
have questions

museum is also  
ed with a research  
which Assistant  
r Donald Allred  
can be used much  
library.

worth Willis, a  
teacher at Timp  
High School said  
museum will  
ely benefit the  
munity.

ink students will  
rom the museum  
laid out in a  
icated way and  
use of the genus  
and descriptions  
ing animals in  
atural habitat,"  
says.

Faye Frazier a  
grade teacher at  
ch Elementary  
says she is ex-  
about the new  
em and thinks

## board boats outlawed

INGTON (AP)  
s National Park  
is responding to  
vocal minority"  
aiming to abolish  
outboard motors  
Colorado River  
the Grand Ca-  
a congressman  
Thursday.

comment by  
Minority Leader  
Rhodes, R-Ariz.,  
a public hearing  
proposals to control  
number of persons  
to float through  
and Canyon.

for the proposals,  
ur-powered boats  
ts would be per-  
after 1981, and  
imum length of a  
board a commer-  
operated raft  
be 12 days.  
tly, commercial  
rips average eight  
run the canyon.



ylvester and  
otton blend  
ard cloth shirts  
Kle hardly at all  
nd after long  
rs of wear look  
good as fresh  
otton.  
ss For Success

WEST  
OREKEEPERS  
GENTLEMEN

NORTH PROVO  
UNIVERSITY MALL  
VOLLEY SQUARE

## Man, wife team explore south pole

SAN DIEGO, Calif. (AP) — John  
and Donna Mitchell Oliver are back  
from a full year in Antarctica - the first  
husband - wife ever to spend a winter  
at a government research station on  
the frozen continent.

"I think we're going to see a lot more  
women working down there soon," said  
Mrs. Oliver, a 29-year-old laboratory  
technician at Scripps Institution of  
Oceanography where her husband is a  
graduate student in biological  
oceanography.

The only woman among 87 men at  
McMurdo Base, she helped her 31-  
year-old husband collect animal types

and studied the effects of winter isola-  
tion on 43 of the men.

The companionship "makes the win-  
ter a lot more bearable," Oliver said in  
an interview after their return. But  
said selection of government explorers  
"should be based solely on an in-  
dividual's work, qualifications and  
personality - without regard to sex."

Mrs. Oliver returned with 800 pages  
of notes and 43 taped interviews.

The American explorers, she said,  
"suffer from lower motivation levels,  
shorter attention spans, lower energy  
levels and a sort of dullness which is  
hard to describe."



# WOLFES Your Store For All Seasons



**Ski and Accessories....** For all of your needs in Ski Equipment and clothing, Wolfe's has the largest selection in Utah Valley.

**Ladies Sportswear....** The latest in fashion is available for the sports-minded woman. Large selection of name-brand clothing for all your needs.

**Western Wear....** We have a complete, up-to-date selection of hats, boots and accessories, for men and women.

**Team Sports....** Your headquarters for complete team equipment. Featuring all of the famous brands in athletic equipment and clothing.

**Sporting Goods....** Come in and see the West's largest display of sporting goods... Guns, Reloading, Cutlery, Tennis, Golf, Hunting & Fishing, etc.

**Men's Sportswear....** Wolfe's men's wear offers leisure wear, and work clothes for the young man or sportsman.

**Shoes....** One of the largest selections of boots in Utah Valley.

Regardless of your sporting needs, Wolfe's supplies you with the best and the largest selection in Utah County. Come in and see us today!



Blaine Murri



Jerry Zenger



Betty Berry



Chuck Kay  
Manager



Rich Kohler



Dean Swensen



Kurt Wankier



# NUMBER 1 IN SPORTS!

1290 S. STATE - OREM 225-9500





In 1900

# BYU's first expedition

By MARK SEVERTS  
Universe Staff Writer

The tradition for exhibiting life science specimens at BYU began in 1900 with a difficult, controversial, two-year expedition to the jungles of Mexico and Central and South America.

Public display of scientific artifacts at BYU can be traced back to the "Brigham Young Academy Exploring Expedition," better known as "the Cluff Expedition," which set out from Provo on April 17, 1900, and headed for the then little-known countries to the south.

The late Eugene L. Roberts, a member of the exploring party who went on to distinguish himself in BYU athletics, wrote about the expedition many years later. He said there were

two main objectives: "First, to discover evidences of the divine authenticity of the Book of Mormon; and second, to gather scientific data regarding the geology, geography, climate, flora, and fauna of those countries to the south of the United States."

One goal of the expedition was to find the Book of Mormon city of Zarahemla.

Benjamin Cluff, Jr., then president of the Academy, envisioned specimens from the expedition which would make the school's museum "one of the finest in western America." He conceived the idea for a fully-equipped exploring party, convinced Church authorities of its value, and personally took charge. Former BYU President Ernest L. Wilkinson, in his book, "Brigham Young University A School of

Destiny," said the expedition was too ambitious without sufficient investigation or preparation. He said the greatest tragedy of the expedition was what it did to Cluff.

Each member of the group was set apart by two of the Twelve Apostles and received a personal letter from the LDS First Presidency under President Joseph F. Smith.

"This expedition has been organized with our consent and approval, and we trust that those who compose the party will feel the importance of the work and will so order their lives that the spirit and blessing of our Heavenly Father may always be with them."

The group left Provo and traveled southward. "They were met with heroic celebrations at Santiquin,

(Con't, on p. 30)



BYU's first explorers, the Cluff expedition, prepare to leave Provo and head for the jungles of Mexico and Central and South America.

## • Museum design unique, functional

(Cont. from p. 18)  
special storage facilities, and the auditorium, or lecture hall.

The second level, or building entrance, contains the curator's office and construction service shops, and is the main exhibit area. The third level houses a library, classrooms, research, collection and exhibit spaces.

Fowler said he made the building 75 percent efficient — 80 percent of the space is used. Before designing the museum, Fowler and a co-designer traveled to Denver, St. Louis, Kansas State, Florida State and Texas Tech looking at similar designs and delving into the problems and assets of particular buildings.

"We usually do quite a bit of research around the country before we start designing — sometimes it's just pure search," he laughed. "After that you just start sketching — hundreds and hundreds of sketches."

Fowler pulled about a dozen photographs out of a manila envelope. He thumbed through the various scale models he had built and

photographed. "This is what I had originally designed," he said, and pointed to a geometric shape that looked almost like a flower. After more scale models and sketches Fowler came up with the final design. The changes made often depended on personal taste, he said.

More than 200 carpenters, iron workers, plumbers, bricklayers and sheet metal workers spent from Aug. 1, 1976, until Feb. 23, 1978, putting the museum together.

"There's not a crack in that building," Fowler said. "That's unusual, but then... it's a very exceptional building."

**ALHAMBRA THEATRE**  
TWO GREAT COMEDIES  
The Marx Brothers "Night at the Opera"  
Marilyn Monroe "Gentlemen Prefer Blondes"  
coming Stalag 17



Members of the Cluff Expedition are greeted by the people of Kanab on their way south. Eugene Roberts is on the right.

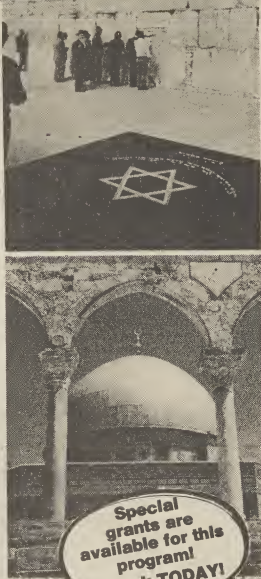
## The Ultimate Adventure in Learning:

## Jerusalem Study abroad

Now Brigham Young University offers to students a unique way to earn valuable credits for graduation while building their testimonies of the Savior and his life. Here is your opportunity to visit Paris, Switzerland, Rome, Greece, Jerusalem, and London, while studying Political Science, Archaeology, Religion, Sociology, History and Hebrew, plus other special areas of interest through the Hebrew University or BYU resident faculty in Israel. Two programs are offered each year from January to June and from June to December. For more information, contact the Brigham Young University Department of Travel Study, Room 202 HRCB, Provo, Utah 84602. Phone 374-1211 ext. 3946.

June to December 1978 Program:  
Approximate cost \$3700  
BYU Travel Study Resident Director,  
David B. Galbraith  
Jerusalem Study Abroad Director,  
Daniel H. Ludlow

If you are interested in the June 1978 Program, Please rush your application, as the group is beginning to fill. Also send for information on Study Abroad programs to London, Paris, Madrid, Vienna, and Mexico.



Special grants are available for this program! Check TODAY!

## Travel Study

BYU TRAVEL STUDY  
DIVISION OF CONTINUING EDUCATION  
HRCB 202  
PROVO, UTAH 84602  
PHONE 374-1211 ext. 3946

Please send me more information on Jerusalem Study Abroad and other Travel Study Adventures.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Area Code/Phone \_\_\_\_\_

Also, please send information to the following friends:

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Area Code/Phone \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Area Code/Phone \_\_\_\_\_

## how many trips?

Getting married? Going on a mission? Business trip abroad? How many trips would you have to make to arrange for your departure? First you would need great looking clothes — mens wear or perhaps the tux and announcements for your wedding, then you would need a travel counsellor. At Clark's you can get this at "one great location." A unique blend of Mens Shop, Tuxedo Shop, Prestige Wedding Announcements and World Travel Service enable us to pass meaningful discounts on to you on your wedding tuxedos and announcements, arrange your travel and dress you for it.

PROPRIETORS: VERL-DAL CLARK

IT ALL COMES TOGETHER AT CLARK'S  
245 NORTH UNIVERSITY AVE., PROVO

# ONE!

MEN'S SHOP  
TUXEDO SHOP  
PRESTIGE WEDDING  
ANNOUNCEMENTS  
TRAVEL SERVICE ...

NOW AT CLARK'S

**Prestige**  
Custom Wedding Invitations

HOURS: 11 a.m.-6 p.m.  
MONDAY-SATURDAY



**Clark's**  
245 North University



**Clark's**  
WORLD TRAVEL SERVICE



# Professor's work aids university

By BEKY QUINTERO  
Universe Staff Writer

A brand new office in the Bean building there sits an octogenarian, surrounded by six decades worth of insect collections, an ultramodern extinction scope, hand-bewn oak cases and a pair of Utah slippers which serve as bookends. He walks through the halls of the building, he is greeted by students, assistants such as "I want you to do all the thinking very highly of this" are made in the direction of his

Dr. Vasco Tanner, professor of Zoology and Entomology, is one of the foremost biologists on Great Basin wildlife, a writer, longtime civic leader, and of generations, noted editor of the old gentleman in the very

He came here first as a high student in 1909. There wasn't a student on the upper campus then, were nearly 700 students in his class, but only a handful in university. He stayed on to earn a degree in 1915 — his was the first graduating class consisted of only just 17 stu-

He earned his master's degree at University of Utah the following year and was hired by Dixie College in 1917 to begin his biology. While there, he met and married Annie Atkin, poetess and wife of the Dixie faculty. They had four daughters.

He came to Stanford in 1923 where he received his doctorate. He also met and married a lifelong friendship with Dr. Harry Jordan, during his studies he credits Jordan with being his greatest inspirations.

Tanner returned to BYU to teach in the Department of Biology in 1925, and he was named head of the Department of Zoology and Entomology in 1930. "I was the first and only in the department then," Dr. said. "Now there are 20."

After he began at BYU, there was something missing. There were no specimens for students to study, I felt my department ought to

have a collection. So, starting that very year and for the next decade, I spent four to six weeks of every summer in the field with my students, collecting reptiles, fish, birds, mollusks, insects and mammals."

He also began building a science library. These early efforts established a foundation for BYU's current, extensive collections in these areas. Being an insect specialist, he is particularly proud of accomplishments in that field. "When I came, we had nothing. Now our insect collection is approaching a million (specimens)," he said.

More than just practically sent him into the wilds, however, "I recognized very early that the presence of man in this valley would change forever the face that mother nature had intended it to have," Tanner said. "Encouraged by Jordan, I felt it was mandatory to preserve to memory the natural habitats as they existed."

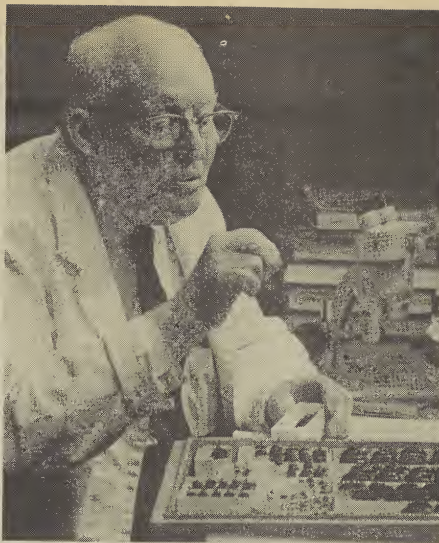
He became a careful recorder of all that he saw. He pioneered wildlife exploration in this area, and eventually spread his concern to the entire Great Basin region.

As a direct result of his explorations, BYU began publishing the Great Basin Naturalist, a scientific journal founded for the purpose of providing a suitable outlet for the increasing amount of research being done in the area. He was the first editor of that publication, and served as such for 30 years.

Tanner has published scores of scholarly works, but he came by reputation for some of them in rather unusual ways. He inspired great devotion from his students, who constantly sent him specimens from all over the world. Many of them served in the South Pacific during World War II, and from the items they sent came some of his most famous papers; he was the first to describe the native members of certain insect families.

He is also a dedicated public servant. He spent many years in various civic positions, most notably as a multi-term member of the Provo City Power Board.

He has received much acclaim in his time, but through it all he remains friendly and unpretentious. At the conclusion of the interview, he said with modesty "the least you can say about me will be all right. I've just been a contributor doing the things I love."



Dr. Vasco Tanner, professor emeritus, examines part of his insect collection. Tanner was the first to start such a collection for BYU.

# Utah to build world's largest solar generating system

SALT LAKE CITY — Two federal agencies will build the largest solar electrical generating system in the world at Natural Bridges National Monument in southern Utah, Rep. Gunn McKay, D-Utah said.

The \$3 million system — to be built by the departments of Energy and Interior — will have about 18,000 square feet of solar collectors and will occupy 1.3 acres near the monument's visitor center.

McKay said the facility will generate a peak 100 kilowatts of power from sunlight and will be operational by the middle of 1979.

"This new project is an excellent addition to our energy portfolio and will keep us at the front of this great move toward energy independence," McKay said.

He said the chief purpose of the project would be to demonstrate the feasibility of the system and to conserve fossil fuels. It will replace conventional fuel generators at the monument and

will supply electricity for all the monument's facilities, McKay said. Natural Bridges is an 8,400 acre park about 40 miles west of Blanding in southern Utah.

McKay said the site

was chosen by the National Park Service from among 63 considered by the Department of Energy. He said it was selected for its distance from commercial power sources.

## Congratulations BYU On Your Heritage

Leven's, a part of the  
BYU Heritage for 65 years.  
Serving BYU with the  
finest in men's clothing.



116 W. Center  
373-0460

# Monkey research data applied to children

SON, Wis. (AP) — They'll now it, but Wisconsin monkeys may help anxious parents answer the question: "Is my child a nursery school?"

Dr. J. Suomi, 32, a University of Wisconsin-Madison psychologist, is leading research on the similarities between monkeys and humans may lead to better understanding of children.

Some of the principles derived

from monkey research can be almost directly applied to humans," says Suomi, an assistant professor of psychology. "The influence of peers on socialization is one area with very strong and clear-cut implications for humans as well as primates."

Research conducted by Suomi over the past two years indicates peer interaction among both human children and young monkeys is extremely important in the development of lifelong social skills.

popotamus while in Africa on safari. "The bullet struck him and he sank like a rock," Bean explained. "We had to wait for more than two hours to determine whether or not my aim had been good. Then he sighted him, rising slowly to the surface of the water, belly-up."

After the hippo was brought to shore, Bean found it was so old it didn't have any teeth. The guides let Bean shoot another hippo to get some teeth for the mount. "As it is, I'll wager I have the only hippo in Seattle which is wearing a set of false teeth," he said.

When Bean's children were young they used to give names to some of the animals he would collect. As the collection grew, it became necessary to find additional places to display them. This search has resulted in the planning and completion of a modern museum, named for the man who not only funded the building but also donated a life's collection of animals to be displayed there, all of which "have an interesting story behind them," Bean says.

# Bean aids university

(Cont. from p. 22)  
museum built at BYU. Bean said, "That's an easy when you realize that I'm and my children and grandchildren have gone to school think it's the grandest school of

helped in the selection of the site and considers it to be the best on the campus." He suggested that enough space be put "a campanian building it, perhaps an art museum. at Oaks and I have talked briefly."

Bean hunted Bengal tigers in after several days of searching, he sighted a tiger which Bean named the eyes. "It was one of exciting nights of my life," he said. "He even closed the schools on the event and the village an impromptu holiday." A Bengal tiger, which Bean con- probably my finest trophy," is he displays at the museum. He also shot a big bull hip-

## Remember WHEN?

The funeral procession of Charles Twelves, handled by the Berg Mortuary in 1896.

## Personal Service Was important...

## ...It Still Is!

the people

Ole H. Berg  
1840-1919

Wyman Berg  
1886-1955

Max W. Berg

—The first motorized funeral coach, brought to Central Utah by the Berg Mortuary in the 1920's.

## Thru the years...

Through the years, the Berg Mortuary has maintained a standard of quality which has set it apart as Central Utah's leading funeral firm. The photos shown here illustrate to some extent how the Mortuary has met the challenge of changing times.

But throughout its 88-year history, one thing has not changed: the Berg philosophy of service... "that there be one standard of quality, available to all regardless of race, creed or financial circumstance."

One of the fine units of Berg's funeral fleet of today.

## "the people company"

# BERG MORTUARY

Member Utah State and National Funeral Directors Associations

## LUAU FOR TWO

KALUA PIG  
CHICKEN LONG RICE  
BEEF TERIYAKI  
HAWAIIAN RIBS  
salad, hawaiian vegetables, ..  
• & steamed rice

## MAI TAI

FRESH FRUIT DESSERT

## THE ORIGINAL HUNGRY HAWAIIAN

430 North 900 East, Provo  
call 375-5444 for reservations



## Mammals expert continues study

By TIMOTHY CHARLES  
Universe Staff Writer

A man who has simplified the definition of a mammal as "a back-boned animal with hair that nurses their young," and ranges in size from "whale to shrew," is the curator of the mammals collection for the Monte L. Bean Museum.

Dr. Clyde Pritchett, an assistant professor of zoology and curator of mammals said, "I like working with animals. I've taught at BYU for the last ten years and at Rick's for three years, and I still like my work. I spend four days teaching and on the fifth I work with the animals themselves."

Dr. Pritchett is currently working on a project in the Grand Canyon region with Kaibab Squirrels. "I'm trying to determine if the North and the South Rim varieties are from the same species. They're from the same region, but living apart from each other. I think they might have evolved into two separate species."

Currently, Dr. Pritchett's main concern is the collection for the Bean Museum. His duties involve organizing and preparing the research section for zoologists, taking care of the collection, adding new specimens, and determining the correct species identification.

Not all of the specimens collected are for visitor observation and enjoyment. The research section collects a variety of mammals from the same species to aid zoologists in identifying and categorizing animals for research projects.

"We only collect mammals from the southwest region of the United States for research," Dr. Pritchett said. "We have enough room for only one region as it is and there are over 6,000 species of mammals in the collection, mostly from New Mexico, Arizona, Utah, Colorado and Idaho."

Work doesn't stay at the office for Dr. Pritchett. On vacations his traps are packed with the rest of his gear and he goes into the wilderness to collect specimens. "I like my work, obviously, or I wouldn't be in the zoology field."

Dr. Pritchett grew up in Manti, Utah, served a mission in Hawaii and then attended BYU where he graduated with a Master's degree. He received his PhD in zoology from the University of Wyoming. In 1965, Rick's College hired him as a zoology professor, three years later, he was transferred to BYU as an assistant professor. He and his wife, Alice Michelson, have four children, Larry, Joyce, Charles Lynn and Thomas.



Dr. Clyde Pritchett, curator of the mammal collection at the Bean Museum, inspects a specimen in preparation for the museum opening. Pritchett, assistant professor of zoology, has been involved in organizing and preparing the research section for zoologists.

## In Montana

### Coyote hides reach price peak

HELENA, MONT. (AP) — The wildly big business has come a "fur piece" from the days when it was only a romantic symbol of the wild west.

Today he's become a predator problem turned gold mine. Montana's unofficial coyote hunting and trapping season is just over, and the taking of this small wolf in rich clothing will likely mean a \$2 million to \$3 million addition to the state's economy.

Coyote furs have become a big business. According to Mike Aderhold, Montana Fish and Game Department biologist from Kalispell, somewhere between 30,000 and 36,000 coyotes were taken during last year's season and most of the hides have been sold to feed the public's skyrocketing desire for coyote clothing.

Writing in the March issue of the Montana Wildlife Federation's newspaper, Aderhold cites an advertisement in a late 1976 issue of the women's magazine "Mademoiselle" displaying a model in a knee-length coyote coat. The caption: "Natural Montana coyote ... \$2,850."

His and hers coyote parkies by Eddie Bauer sold about a year ago for \$1,500 a piece. Bauer muskrat coats sold for \$650, or, with a coyote collar attached, for \$1,200.

Aderhold reported that a single coyote hide was traded privately in Edmonton, Alta., in February for \$240. The annual Edmonton Fur Auction recorded a top price of \$200 each. Edmonton auction records show 22,250 coyotes offered to 125 foreign and domestic buyers.

Record prices were also recorded at the Seattle Fur Exchange, Winnipeg's Dominion Soudack Fur Auction and Regina's Saskatchewan Fur Marketing Service. Aderhold notes, however, that the record high prices are for a relatively few select, extra large, light-colored and soft-textured furs known in the trade as "pales" and "silks."

The average price for the run-of-the-hills coyote is much lower, but still worth the effort. Beckman's of Great Falls, one of Montana's top fur buyers, paid between \$25 to \$145 for coyotes last winter. Pacific Hide & Fur of Glasgow and Sidney paid \$80-\$90 a piece.

## Y scientists work for future

By PAUL MARTIN  
Universe Staff Writer

There is room in science for creativity, inventiveness, hunches, insights and hard work. In a good scientist there is a lot of the poet or the artist.

The BYU sciences occupy some of the newest and oldest facilities on campus. Add to that the fact that science courses are a staple item in the General Education program as an indication of the important role of science in our everyday lives.

The growth and direction of the sciences at BYU is improving according to Dr. Bruce N. Smith, botany and range science department chairman. "We are modest, but growing," he said. "One problem is that money for expansion is not there and the space is limited."

New equipment and facilities are always needed to keep abreast of the latest developments in science. "There are some things we want but aren't brave enough to ask for," explained Dr. A. Lester Allen, dean of the biological and agricultural college. "We will be getting a new meat and livestock building soon. That's our biggest step right now."

The Les Ellsworth Meat and Livestock Center will be built on the animal science property north of campus. The ground-breaking and opening date for the center could not be released yet.

Dr. Leon E. Orme, animal science department chairman, hopes the laboratory will become the center for teaching instead of taking students out to farms in the county. "It will be a teaching facility to work with all kinds of livestock," he said. "We will bring the livestock to the students, instead of the students to the livestock."

The center will be equipped with slaughtering labs for large animals, poultry and rabbit labs and a 500-seat arena for livestock showings. "We're trying to stay abreast of the industry and keep our program valid," Orme explained.

Allen noted that each department has many "interesting" research projects going on. He pointed out that money and space have to be considered. "There's no lack of things to work on or people to work on them," he said.

The cancer research center involves several science departments on campus. Researchers from chemistry, biology, microbiology, virology and physical and mathematical sciences participate in the project.

Dr. Roland K. Robins, director of the center, explained, "The university has a distinct advantage over many other research institutions interested in cancer, because of the active interaction among scientists in several associated disciplines."

The cancer center's future is anticipated to grow, according to Dr. Nolan F. Mangelson, chemistry department chairman. "There are a number of grants on it and we all have our roles in the research. Anyone interested in cure research or bio-chemical processes works on it."

Other progress in the science departments includes additional faculty members. "We just hired our first geo-physicist," Dr. Morris Petersen, geology department chairman, said.

Jack Pelton, currently at the University of Utah, will be coming to BYU next fall. Petersen said classes covering seismology and the relation of magnetic, gravitational and electrical forces to geology will be added to the curriculum.

Petersen said the department, one of the oldest at the university, has recently acquired a coal research facility. "We plan to develop it with company and use the royalties to help fund the department. We perpetuate the old and keep with the new, which is what we think we ought to be doing. The future for geology is bright because of emphasis in energy and mineral research, which are in great demand."

"We're heavily committed to the General Education program," Dr. Kent Harrison, physical astronomy department chairman, said. "Close to 600 students per semester come in contact with the department. We anticipate more students in the future. We like to keep doing what we're doing better. We take pride in teaching students about the world around us."

Harrison is concerned with the viewing corner from the telescope on top of the ESC. "The creased smog, lights, construction and proposed building right in the quad," he said. "Our viewing capability is deteriorating. We like to have some better viewing facilities elsewhere, but nothing is certain yet."

## Weddings

We will help you with everything (except food)

We furnish flowers, trays, tables, cloths, backdrops, etc. ... at a price you won't believe!

The Orchid Shop  
530 N. State, London  
785-3251

## Advertisement

### The Ski Truck story

Skiing is reputed to be a sport for the rich, but it doesn't have to be expensive. According to Jeff White, owner and operator of Ski Trucks, "Many people never start skiing because they get turned off by the price of the equipment."

Mr. White says he is trying to do something to change the expensive image associated with skiing. He feels, "Utah skiing is some of the best in the world, and many people in this area are missing out on it simply because they think they can't afford it."

Mr. White says he is especially mindful of the student community in this area. "We have students from all over the world attending school in Utah. Wouldn't it be great if they could get turned on to Utah's number one sport while they are here?"

About eight years ago, Mr. White evolved an idea which he thought would eliminate some of the expense from skiing and help get more people involved in skiing.

Mr. White wholesaled sporting goods for several national sporting goods companies. His territory then was the Intermountain West. In this process of wholesaling, calling on stores and selling on a commission basis, soon he found it difficult to collect from those for whom he sold. Rather than taking nothing, Mr. White agreed to take some of their distressed merchandise at a below-distributor cost price level and sell in his own spare time, to offset his commissions.

Doing all of this while he attended BYU became very time consuming. However, he persevered, and soon found that buying merchandise from foreign outlets on a large-scale basis was a very profitable way to sell merchandise at a low price to the consumer.

Selling ski equipment out of his apartment soon became an irritation to the local ski store merchants. Therefore, they called upon their friends in the city government to put pressure on Mr. White to make him cease selling his skis. Since Mr. White had no choice but to sell the ski equipment to regain monies he invested in this equipment, he made arrangements to sell once a week out of a pick-up truck near the intersection of 1230 North and 5th West. Instead of selling out of his apartment, he would load up on weekends only, and sell out of his pick-up truck in a parking lot. By this means, he was able to buy right, keep his overhead low and sell complete ski packages for \$50.00 and under.

With the overwhelming response of people wishing to buy his merchandise by bargaining and getting a good price, Mr. White was soon able to turn his money into buying better goods in larger quantities. This soon led to a second truck selling out of Salt Lake City, which was an instant success. The following year, business boomed, and trucks were sent all over the western United States.

In December of 1975, Ski Trucks had 26 different outlets in towns in the western United States. With the disastrous "dry" winter season of 1976-77, Mr. White loaded his trucks and sent them back east. He opened 2 stores, one in Maryland, and one in Vermont. There, with large liquidation sales, he was able to sell the merchandise in an attempt to survive the dry western winter. Because of this, he did survive, and once again began operation in the 1977-78 season. Several stores were opened during this season all over the country, including the reopening of Maryland and Vermont. There were also many Ski Trucks sent out to various towns all over the western United States. Because of the good snow this year, Mr. White and Ski Trucks are not now beginning to recover from their "disaster" of the previous season.

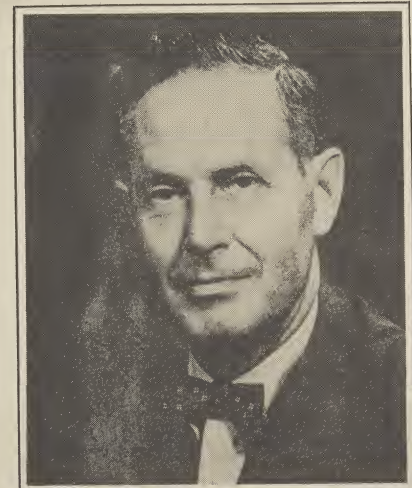
When many people would have "called it quits," Mr. White persevered, and is now planning on expanding Ski Trucks even more with the approach of the 1978-79 ski season. So, if you decide you would like to try skiing, remember what Jeff White says. "You don't have to be rich, just come to Ski Trucks and find out how cheaply you can be outfitted for the slopes!"



SKI TRUCKS  
USA  
BICYCLE  
WAREHOUSE

SKI SALE

401 West 1230 North  
Provo, Utah  
377-2233  
open evenings till 7 p.m.



J. C. Hurewitz

Israel In Its Middle East Setting

Professor of Government on the Graduate Faculty of Political Science, Columbia University and the Director of its Middle East Institute, J. C. Hurewitz specializes in the politics of the Middle East and of nonindustrial states. Professor Hurewitz has sat on the board of advisory editors of *The Middle East Journal* from its inception and has been a member of the Board of Governors of the Middle East Institute (Washington, D.C.) since 1964. He is also a member of the board of governors of the American Research Institute in Turkey, of the American Research Center in Egypt, and the Center for Arabic Studies Abroad (Cairo), and sits on the board of advisory editors of *Orbis*.

Wednesday, March 29  
2:10 p.m.  
Varsity Theater, ELWC



# Museum renaissance hits Utah

By SCOTT LLOYD  
Universe Staff Writer

There's a difference between a museum and a function.

John J. Ungerman, preparator for the Utah Museum of Natural History in Salt Lake City, says far from being an assemblage of artifacts placed on shelves, a quality museum includes attractive dioramas and dropouts. "The object is placed there as a story is told. There is an attempt to teach something."

The state museum is located at the entrance to the University of Utah campus in a state building which once served as the school's library. It has been functioning since 1969.

## Receive help

preparing for the opening of the Bean Life Sciences Museum. BYU officials have received pointers from the state museum staff. "We have an educational role to foster the development of museums throughout the state," director Donald V. Hague said. In accordance with this, his staff held workshops and training sessions for BYU's geologist and other personnel of the new museum.

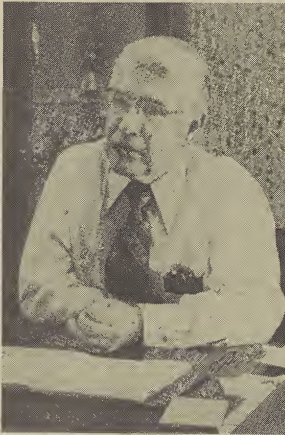
Hague, who attended the Bean Museum's ground breaking, said he has watched its development with interest. "I really commend BYU for the fine collection of biological material they've put together," he complimented the university for selecting the administrators for the museum.

## Differ in scope

Hague said the Bean Museum and the state museum differ in scope. "The Bean Museum will mainly on biology. We combine this discipline with geology and anthropology."

Hague said the state museum has come far in its years of existence. "We have acquired one of the largest mineral collections in the country in the past year," he said. Museum officials also claim to be one of the largest Indian collections in the United States.

causing mainly on Utah and its natural history, the museum began with the sole purpose of exciting and interpreting collections, Hague said. It has since moved into other museum activities such



Donald V. Hague is director of the Utah Museum of Natural History in Salt Lake City.

as collecting, research and publication. It is also integrated into the U of U's curriculum. A student there may now receive a degree in museology, a field not widely offered.

## No competition

"We do not want to compete heavily with the

Bean Museum. BYU will have collections we don't have and we have collections they won't have," Hague said. He added that he hopes there will be some exchange of exhibits and collections between the two schools.

Hague said he is glad more museums are being built in Utah. He observed that the Salt Lake Art Center west of the Salt Palace and the new LDS historical museum on Temple Square are both under construction.

"A museum renaissance is going on in the state and I'm pleased with this," he commented.

Hague said a museum may achieve accreditation if an inspection team determines that it meets certain high standards. "They look at such things as security and care of collections," he explained. He added that the museum must have at least one paid professional staff member who has been trained in Museology, and must be open to the public on a regular basis.

Only three museums in Utah have been accredited, Hague said. These include the state museum, a comparably-sized museum of fine arts on the U of U campus and the Harris Fine Arts Center at BYU.

Much of museum work involves simulating natural specimens as well as exhibiting them, Ungerman said. A wall of Indian petroglyphs in the anthropology section look authentic to the untrained eye. Ungerman confessed that they are forgeries.

## Accurate molds

The ancient Indian writing was molded from the original in Glen Canyon, Garfield County. "The molds are so accurate they capture every dimple and every sand grain in the cave wall," Ungerman said. "The original is now under water and will disintegrate in time."

He said many museums "get too wordy" in writing text for exhibits. Ungerman's staff tries to write for persons with a sixth grade reading level.

Above all, state museum officials try to meet the needs of some 60,000 patrons who visit yearly. Each exhibit is designed to tell a story rapidly and clearly.

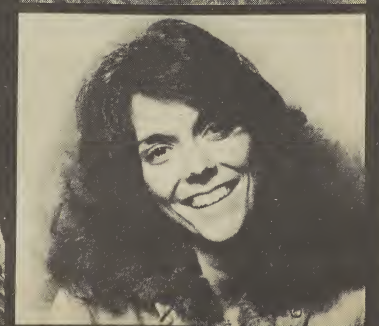
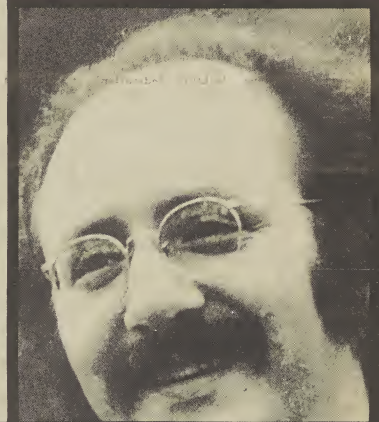
"If a person wants to, he can spend more time at an exhibit and gain as much knowledge as he wants," Ungerman said.



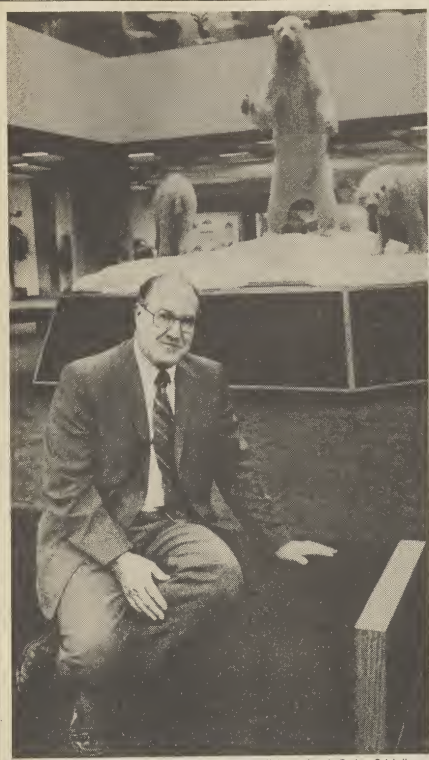
This dinosaur display is part of the collection of items found in Utah that are in the state's museum on the University of Utah campus.

## With a bright future ahead, the ASBYU Social Office thanks YOU for the past!

(Look for great Concerts, Dances, Activities and more.)







Dr. Alfred, assistant director of the Bean Museum sits in the building's spacious foyer near the polar bear exhibit.

### Professor says

## Basic research vital

By DAVE HEYLEN  
Universe Staff Writer

Love of teaching, the church, students and the "spirit of the 'Y'" have been the motivating factors for the newly appointed assistant director of the Monte L. Bean Life Museum.

Dorald M. Alfred believes the spirit at BYU thrives even though some say it has been lost. "There is always the desire to come back home. That's the case with me," he said.

Alfred said the students and the environment at BYU are important things that one cannot put a price on.

Alfred has been at BYU for 22 years and is

the senior member of the zoology department.

Even though I've been here the longest, I am not the oldest," Alfred said.

"My experience as a teacher since coming to BYU has been in teaching 13 different zoology courses, mostly oriented to the natural history area."

Alfred's training has been in medical entomology, the study of insects that transmit disease and in parasitology, the study of organism that parasite on other organisms.

"That's my professional training," Alfred said. "Much of my research has been in that area." His other area of interest is in

desert ecology.

Alfred became interested in parasites while doing a study on the effects of parasites in Utah.

"I suppose my major professor, D. Eldon Beck, who died in 1961, got me interested in working with mites that parasitize animals. Because we were interested, we began work back in 1948, under his supervision, a study which we called Project 10, which was to study the ectoparasites. These are the parasites that live on the outside of the body."

"At that time Dr. Vernon Tipton, who is on our staff, was studying fleas. Beck took over the (Cont. on p. 31)

# Y's academic growth explored

(Editor's note: The following is a verbatim interview with Dr. Robert K. Thomas, BYU's academic vice president, exploring the academic growth of BYU in the past 100 years:

BY HEIDI WALDROP  
Universe Staff Writer

Where has BYU been academically and where are we going?

Dr. Thomas: BYU has changed so dramatically in the past quarter of a century since I've been associated with the school that it's hard to even set up a gauge. But perhaps I am in an almost unique position to do that because I serve as one of 15 commissioners in the western association of one of 25 in the northwest. Together we accredit all the schools in the western part of the country. I've also been a consultant to other regions so it gives me a perspective of BYU that would be very difficult to obtain otherwise.

The real strength of BYU lies in it's having as a board of trustees or members of that board, men that we have sustained as prophets of God. No central administration in any university could have the confidence in it's board that we have in ours. That gives us not only a sense of trust and an ability to move forward, but finally a kind of serenity as we hear the direction they give that does not leave us tentative or wondering if the direction we have is proper.

Number two, in Dallin Oaks we have, as our president, a man who is probably very close to being in a class by himself. Supreme Court Justice Lewis Powell used that phrase in describing him. He made it clear that he'd been part of the recruiting of some presidents for some very prestigious universities. But he felt that Dallin Oaks was superior to them all.

Now, with prophets to provide the general direction and someone as able and sensitive and devout as Dallin Oaks to provide the personal leadership, it would be a bit shameful if BYU didn't do well. We have a couple of areas where it seems to me we might well be truly distinctive.

To begin with, we are a better balanced institution than most. In fact, in my rather long experience with other institutions of higher learning, I do not know of another major institution that has not only

the academic standing but the strong support services that BYU has. For instance our admissions and records program would be widely recognized as the best in the country. An official who recently came from Ohio State University to look at that system, said to me with some candor, "You are lightyears ahead of anyone else." Then our advisement centers are truly developed.

I'm also very pleased with our athletic program. Not only are we nationally competitive in most of the major sports, but our intermural program would be without parallel. We must have solid traditional work to build on and we surely have that. But then in areas such as computer assisted manufacturing we easily lead the nation. Also in fusion research, nitrogen fixation and computer assisted language translation, all of these we would be widely recognized as being in the forefront.

So how do we compare to other universities?

We compare very favorably, especially in terms of that balance where we have not only a strong basic academic foundation, some very innovative things, but we also have support services which are equal, in their way, to the strong academic programs which we have. That combination may help us to start to achieve what President McKay used to call, the most efficient university in the world.

How are our various colleges growing?

Certain colleges have a kind of reciprocal life. When jobs become scarce in one area students have the tendency to major in another. For awhile we had the largest college of education in the country. Now that is less large because there are not as many jobs. Although our graduates have had little difficulty in finding jobs if they were willing to go where the jobs were.

So our graduates are placing fairly easy?

Not only in jobs but also the prestigious graduate programs and professional schools. I can remember two years ago when we got 51 percent of all our applicants into dental school. That was so much higher than any other school in the country that no-one wanted to publish the figures.

Where are our specific strengths?

It's difficult to single out a specific area but

there's no question but what in our technology where we have the first four year programs that I've ever accredited. Also in languages and in certain areas of the sciences, where we are currently doing exciting things in cancer research and in research we are widely recognized.

With this research are we receiving any federal grants?

We accept federal grants on what we call a pro basis. That is give value for what we receive, are very careful on this to be sure that we do not get grants which come just to the university in general support. We must provide a service of equal worth to the grant.

Will we be accepting any more grants in future?

Probably we will not be accepting more federal grants but we probably will be doing a more amount more in research. We are trying to focus into areas of our unusual strength.

I know that the University of Utah has almost 10 times as much money in federal grants as we do. Do you feel this handicaps research?

We have thought very carefully about this and have concluded that it does not. We are not particularly impressed with the amount of dollars you can generate. We are far more interested in significant research is.

Where does BYU stand in the sciences?

You would have to pick out a particular department. We have some very strong work in physics we have a fine chemistry and engineering department.

How will the Bean Museum encourage make research more possible?

For many years we have had some extraordinary collections on BYU campus in the area of natural history that we haven't been able to utilize properly. The museum will provide not only the opportunity but the whole environment which will make it possible for the general public, and for serious researchers, to take advantage of these collections.

## For 42 Years ...

# Firmage's

## A FAMILY SHOPPING TRADITION

IN BEAUTIFUL DOWNTOWN PROVO

Families have been our business for 42 years. Your family and ours. Years ago, we became a one-stop shopping center long before shopping centers became a reality. We realized that the family was going to be the center of shopping trends in the future, and we wanted families to shop at Firmage's. Over the years we've supplied nearly everything the family has needed, complete clothing and related soft lines. Naturally, this approach has required continuous change and modification as styles and lifestyles have altered. Come in and visit us. You'll like our up-to-the-minute style lines, our software and giftware lines ... all quality items competitively priced. Consider what three generations of Firmage's have put together for your shopping pleasure.

E. D. Firmage

Ed Firmage

Bill Firmage

Stan Heel

Russ Firmage

Stan Heel Jr.

## Three Generations of Experience to Serve You!

# SINCE 1936

Since 1936, we've had three generations of experience at Firmage's to assist you in making shopping selections. Our free parking and complete clothing and softlines for every member of the family has made us a favorite for Utah Valley shoppers. Visit the Utah Valley store that has been pleasing its customers for 42 years.

**FOR YOUR CONVENIENCE**  
**FREE**  
Off-the-Street  
**PARKING LOT**

## • Expedition rewards rich

(Cont. from p. 26)

Payson, Manti, Richfield, etc. and arrived on the Arizona border groggy with over-eating and exhausted from all-day rides and half-the-night entertainments," Wilkinson writes.

Chester Van Buren records in his diary that on arriving at Thatcher, Arizona, Cluff went ahead to arrange with customs officials for the expedition to enter Mexico. He encountered difficulties with the Mexican authorities who were reluctant to allow such an armed force to cross the border.

This delay proved to be disastrous to the morale of the company as they waited in temperatures climbing up to 117 degrees. Finally they were instructed to labor in pairs doing missionary work in Thatcher, but Wilkinson writes, "Most of the group were inadequately prepared for such an assignment."

University Archivist, Hollis Scott said a singing quartet, called "The adiantum Quartet," was formed to lift the company spirits.

Before Cluff could lead the group into Mexico, the LDS church withdrew its official support.

In a letter dated August 9, President Joseph F. Smith advised Cluff, "that it was the mind of the Twelve — and it certainly was his mind — that the expedition should return."

President Smith then met with the expedition, and told the members they would be granted honorable releases if they wanted to return home. He also told the leaders "they would not be disobeying the authorities" if they proceeded south, but they were to "understand that it was purely scientific, not a Church mission."

Most of the expedition returned home, but Cluff and eight others decided to continue. Asa Kienke recorded, "Eyes were wet and sobs were heard. Then we lined up those who were going on South on one side and those who were going home on the other; then we passed them by and shook hands, bidding them goodbye. I wept like a child and so did most of the others."

After many days of hunger, illness and numerous other hardships, Cluff

and his companions arrived in Mexico City on Jan. 11, 1901. A week later, the party "reluctantly packed up and headed southward, encountering heat, humidity, and other tropical conditions that wore down the men and their animals," Wilkinson writes.

Six of the company finally arrived at the borders of Columbia. They had endured malnutrition, hunger, poisonous bites, tropical diseases, and imprisonment by soldiers. Because of political unrest in Columbia, the party decided to disband the expedition and return home.

A year after returning to BYA, Cluff resigned. He left Provo to pursue other interests, but success alluded him as he attempted further exploring, plantation ownership, oil exploration and mahogany lumbering.

Some 45 years later, he listed six accomplishments of the 1900-01 expedition. He said it served to open a knowledge of the South American countries to the Mormon people, created a scientific interest in that area, enabled the collection of valuable specimens, proved some of the early theories of South American geography related to the Book of Mormon, helped to increase an interest in the ancient ruins and developed a bond between the men who endured the hardships together.

"The project was both a success and a failure," Roberts said. "It made him (Cluff) friends and it made him enemies. It gave him great satisfactions and it broke his heart, and most of all, it was directly responsible for turning him away from the field of education."

The Cluff Expedition accomplished something more, however. It left the University a legacy of science and museum displays that live on to this day. The new Monte L. Bean Life Science Museum is a fulfillment of the dream Benjamin Cluff had 78 years ago.

Although he did not live to see the dream materialize, Cluff's expedition was successful in one area. A large number of artifacts and biological specimens were collected in the venture which ended up in the collections of BYU to establish a continuing tradition.



## Y classes offer reprieve from lectures, textbooks

# STOKES BROTHERS

**STOKES** PROVO  
**BROTHERS** 44 S. 200 E.  
375-2000

375 2000

BULLOCK & LOSEE



Tempest



Happiness

Happiness



La la by

La la by



Simplicity

## Simplicity



Elegant

Elegant



Imagination

## Imagination



Valensia



Floral

**olivetti**

Typewriters and printing calculators have never before been offered at such savings. For the serious student a Lexicon DL 82 typewriter with single element interchangeable type ball is a must. Stokes Brothers can offer this typewriter at an unbelievably low price or can make arrangements to rent other machines . . . . . **\$249.95**

SONY®

Did you know that Sony makes Trinitron, the standard by which many other T.V. sets are judged? Not only does Stokes Bros. carry Sony T.V.s but also the Sony Betamax video recorder, useful for personal T.V. program programming, is available to you at Stokes Bros. discounted pricing.

HON

The HON Company has established a reputation for handsomely styled office furniture, efficient in design, uncompromising in craftsmanship and solid in value. Whether you need a desk, a chair or a file, or are furnishing an entire office, you will find the design, the price point and the value to meet your needs. Come order furniture through Stokes Bros. and get to know the real HONest value.

## Record a Call

Put yourself into the high status position of owning a 24 hour mechanical secretary. Don't be bothered by unnecessary calls, but get the important ones. Get your message from anywhere in the world by dialing your own number an employing the remote control key. Come into our store for a professional demonstration.

Orange Blossom

BULLOCK &amp; LOSEE

**373-1379**

*Jewelers*

**225-0383**



A BYU geology class takes a field trip to the Grand Canyon to learn about rock formations firsthand.

The block-long class teaches experienced and amateur students more

Our students may start working with a federal or state agency when they are sophomores," he said.





Taxidermist Wesley Skidmore hangs a mounted head on the wall of the new Bean Life Science Museum. "Taxidermy," says the young man, is really what I like to do.



A friendly brown bear appears to be extending a welcoming hand to visitors to the museum.



Skidmore shows what a lion skin looks like before it has been mounted for display. Such skins can be brought to life by taxidermy.

## He works with tigers, lions at new life science museum

By MIKE LUNDELL  
Universe Staff Writer  
Photos by MIKE LUND

Wesley Skidmore spends his working hours among lions, tigers, bears and other wild creatures repairing everything from paws to tusks.

No, Skidmore is not a veterinarian for the Wild Kingdom. He is a taxidermist for the Monte L. Bean Life Science Museum.

"I guess I've always been interested in animals. That's probably what got me first going into taxidermy," Skidmore says. "When I was 12 my pet hamster died. My father told me to mount it if I wanted to. I skinned it and tried to mount it. That night sound a little bit morbid but that's how I really got started."

After attempting to mount the hamster, Skidmore recalls, a friend of his father, who knew taxidermy, helped him mount a squirrel that had been killed by a car. From then on Skidmore mounted almost anything he could.

"I liked to hunt so I practiced a lot on the animals I got hunting. That's one thing about taxidermy," he says. "Nothing is wasted. You can eat the meat and mount the skin."

Most people know very little about taxidermy, other than the fact that the animals are dead when they are mounted, the taxidermist says.

He explains the process of mounting takes basically four steps.

The first step is skinning the animal. This is probably the most important step. If the animal is not properly skinned the process of mounting is almost impossible. Proper cuts must be made as well as making sure that the skin is not damaged.

This is a problem with big game, Skidmore comments. "After the person kills the animal, he'll drag it and

wear all of the hair off. The skin is ruined."

After the animal is skinned the hide is then pickled and if the taxidermist desires, it is tanned.

The next step, Skidmore says, is making a form for the skin to be mounted on. There are a few different methods to this and everybody has their own preference.

Skidmore says he prefers to make his own form. "Before I skin the animal, I take pictures from every angle." Then he carves a form out of a block of styrofoam.

"You can buy pre-carved forms. I don't like them because sometimes they just don't look right."

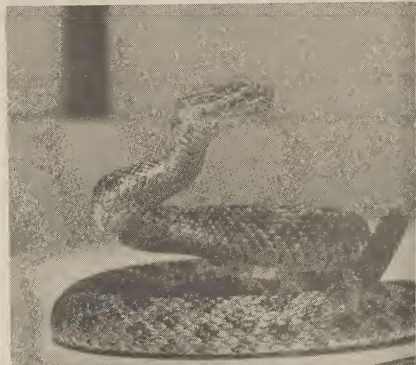
Skidmore says another method is wrapping wood shavings with a lot of string to achieve the desired form.

"After you have the form prepared for the body or head you are mounting, the next step is stretching the skin around the form." When the skin is tanned or pickled it is dry and hard to work with so this process takes quite a bit of time.

The skin must be moistened and then stretched around the form. It shrinks a little when it dries, so it usually fits snug to the form. As the skin is stretched the cuts that were made in skinning the animal are sewn up.

After that, the process is pretty much over, Skidmore says. All that remains is putting in glass eyes, painting exposed skin, claws or hooves and doing other little things that make the animal look natural.

"Another process that is popular on small animals and reptiles is freeze-drying," Skidmore explains. "The taxidermist just has to position the animal to make it look natural and put it in the freeze-drier. Positioning the animal takes very little time. The ac-



A rattlesnake appears ready to strike in one of the displays at museum. But patrons can relax, the life-like reptile is freeze dried harmless.

tual freeze-drying process is what takes the time. It takes a couple of months to dry a snake. "If you're in a hurry freeze drying is not the way to go."

"Sometimes we work on displays and need certain animals," he explains. "If we don't have that animal, we obtain a special collection permit from the government and collect that animal."

But, says Skidmore, the permits are getting harder and harder to come by. Many people have abused them in the past so the government is getting more strict about giving them to people.

"Most of the animals in the museum have been donated by people that have got them on a safari or something,"

Skidmore explains. The animals are actually mounted at the museum. But patrons can relax, the life-like reptile is freeze dried harmless.

Skidmore isn't doing mounting right now, however, mostly working on hanging, cleaning up animals, repairing that have been damaged in the from the Grant Building and getting ready for the dedication museum."

Once the dedication is over things are back to normal mounting more, because, says Bean Museum's young taxidermist, "That's what I really like to do."



A mounted beaver chewing on a tree is placed in a display by the museum's young taxidermist.



Wesley Skidmore inspects animal skins in the museum's storage area. The museum has a rich array of unmounted animal skins gathered from around the world.



A museum visitor confronts "nose to nose" a large moose, part of the beautifully-mounted animal heads that play in the new Bean Museum.



# YU's Scientific Heritage...

## Section Two

### BYU scientists leave rich research bases

The heart of laboratory research in a university lies in the sciences. Beginning with the old Brigham Young Academy in 1875, up through the botany club in 1927 and on to modern research in raising healthier pigs, many significant contributions in the world of science have been and are being made at BYU. The university's early professors, students in the sciences and other researchers left a rich heritage of knowledge, collections and valuable specimens to establish ongoing traditions in archaeology, earth and life sciences, physics, chemistry, and agriculture. The pages in this section disclose a portion of these traditions, as well as give readers a glimpse at some of today's BYU men and women of science. These researchers are also creating a base for the current fights being waged against birth defects and cancer, as well as other diseases of mankind. The work of BYU's scientists extends into areas of food production, plant research and the complex fields of medicine. The advancements taking place now are a direct result of the foundation work that has gone on at BYU for more than a hundred years by thousands of dedicated faculty, students and staff.



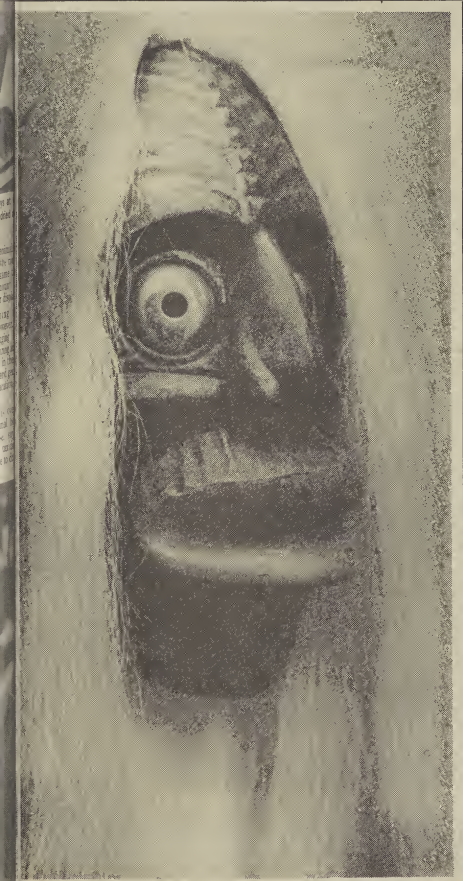
"Dinosaur Jim" Jensen dusts a specimen in a Colorado dig, gathering earth science treasures for BYU. (See p. 45)



BYU botanists raise orchids in one of the campus greenhouses.



A stuffed owl stares at onlookers in the Widtsoe Building, part of the rich life science collections at BYU. (See p. 39)



An ancient warrior mask is typical of the artifacts housed in the Archaeology and Ethnology Museum. (See p. 42)



Research pigs peer through their pens in an agricultural study at BYU. (See p. 43)



Members of the 1927 Biology Club pose for their photograph in front of the botany greenhouse on lower campus. (See p. 34)



# Early days of biology recalled

By JOHN ILER  
Universe Staff Writer

When Dr. Bertrand F. Harrison, professor emeritus of botany, first came to BYU, what is now the College of Biological and Agricultural Sciences was a far different part of the university.

Harrison came to teach at BYU in 1931 and also witnessed the vast reorganization of the college in 1954.

"We had a great deal of academic freedom then," he recalled. "We didn't have much space available, and sometimes we had students sitting on the floor or in halls, but we tried not to turn anyone away."

Harrison said that when the BYU college structure was set up in 1921, the science areas were divided into arts and sciences and applied science. Arts and sciences included botany, bacteriology, zoology, math, chemistry, physics, social sciences and humanities. Applied science consisted of agronomy and soils, horticulture and landscape architecture, animal husbandry, home economics and mechanic arts.

## First facilities

"We were originally housed in the Education Building on the lower campus," Harrison said. "But in 1935 we acquired the Brimhall Building and moved there."

In 1955-56, construction of the Benjamin Cluff Plant Science Building began. "It was dedicated on May 7, 1957, and provided laboratory, classroom and growing space for plants," he said. "And that's where the electron microscopes are now housed."

Harrison said the college was able to acquire much of the Heber J. Grant Building upon completion of the new library in 1961. "Offices and classrooms were provided for animal husbandry and horticulture," Harrison explained. "The dean's office was also moved there. The old reading room became the Grant Life Science Museum. The former library stacks area was used to house the scientific collections, except for the herbarium, which was located in the old reading room."

In 1963, Harrison said, it was determined that new buildings were needed. "In 1968 work began on what is now the Martin and Widtsoe Buildings. There were some delays, but the Martin Building was ready by autumn 1969 and the Widtsoe Building, which had been occupied floor by floor as it was built, was ready by June 1970."

Harrison said both buildings were dedicated on Oct. 6, 1970 by Elder Ezra Taft Benson, "a former major in agronomy."

Harrison said the B-49 Lab Building was constructed in 1964 for the botany and zoology labs and the Page School was remodeled in 1965 for research into "significant viruses thought to be related to cancer."

## College reorganized

According to Harrison, the reorganization that produced the present college took place in 1954 and now includes agricultural economics, agronomy, animal husbandry, bacteriology (microbiology), botany, horticulture and horticulture specialties as well as zoology and entomology.

When the college was reorganized as the College of Biological and Agricultural Sciences, its first dean was Dr. Clarence Cottam. Describing him as a "tremendous individual," Harrison said the college was very happy with him. "They built him a nice home and gave him a substantial budget to try to get

him to stay, but in June 1955 he resigned to join the Welder Wildlife Foundation in Sinton, Texas.

"He wasn't dissatisfied in any way with the university, but felt he could do more good with the Welder Foundation," Harrison said.

Harrison said Dr. Rudger H. Walker was appointed as dean in 1960. Walker was dean of the college when the Martin and Widtsoe Buildings were constructed.

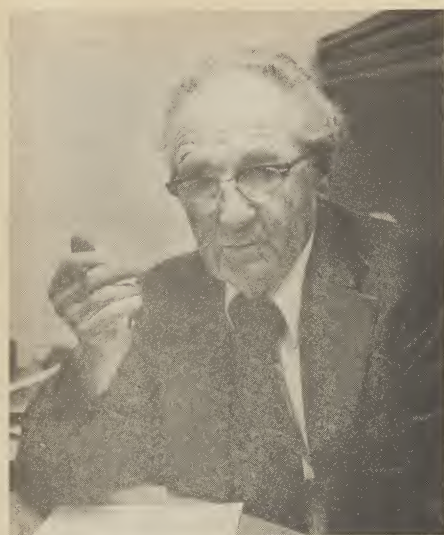
## Present Dean

Walker served as dean from 1960 to 1968. "In 1968, Dr. A. Lester Allen was appointed dean. Under him the college now operates in some 14 different buildings as well as having facilities in the Monte L. Bean Museum."

Harrison said for its size, the museum is the finest museums in the country" and that its purpose was to provide teaching activities and be a "collection of oddities."

The modern Biological and Agricultural Sciences has roots that go further than the university. When the early pioneers settled in the valley of Utah some 130 years ago, agriculture and life was the way of life. In modern times it still is.

Today the college has a farm east of Span which is used as a lab for beef stock, sheep, and preparing of meat, fattening, nutritional poultry division. Labs and modern scientific methods are used to improve this essential trade as exploring the world of microbiology and agricultural economics.



Dr. Bertrand F. Harrison, professor emeritus of botany, recalls the beginnings and later reorganization of BYU's Biological and Agricultural College.

## Y professor's theories followed by students

Whether in the classroom or in the field, Dr. C. Lynn Hayward, retired professor of zoology, was interested in teaching not only the principles of biology, but also the principles of life.

A 1927 BYU graduate of zoology, Hayward

returned to the university in 1950 to work on his master's degree and to teach zoology classes. Although he retired from active teaching in 1969, Hayward remained part-time director of the Life Sciences Museum until 1972.

Dr. Vernon J. Tipton, a BYU professor of zoology, describes his former teacher as "a remarkable person to go out into the field with."

"He had a great ability to teach and to be

organized," Tipton said. "He had a capability to motivate and ability to see beyond the classroom helping us with the principles of life."

Dr. Clyde L. Pritchett, BYU professor of zoology, relates a field trip learning incident with Hayward. After Pritchett had cooked some eggs that were rather raw, Hayward told his former student,

"Clyde, eggs are tender and they need to be cooked tenderly."

"Ever since that day, I've cooked eggs tenderly and have treated students the same way," Pritchett said.

"Hayward had a very tender way of teaching, but he wasn't easy, he was a tough teacher."

Dr. Arthur O. Chapman, zoology professor, said Hayward would explain at the start of classes his philosophy and objectives of the course. "His dry wit would make you relax in his presence. You could feel he wasn't against you, that he would be honest with you."

Having done field work in the 1930's in the countries of Panama and Venezuela, Hayward has conducted mostly ecological research in the Utah terrain.

A 1976 BYU publication of the "Birds of Utah, Great Basin Naturalist Memoirs," was a joint effort of Hayward and other authors.

COPIES  
3¢ OVER-NIGHT  
**KINKO'S**  
377-1792

Monday & Tuesday Special

Taco Burrito and Medium Drink

95¢

**TACO BELL**

Now at both great locations

66 E. 230 N. Provo 364 S. State Orem

**PREVENT PAINFUL BURNS**

You don't need to be burned by future graduation credit deficiencies, scheduling problems, or deadline pressures. Protect yourself before you get red in the face. Apply transferable BYU Home Study courses to your academic program this summer. Home Study courses will leave you bright instead of burned. Save your skin. Get protection today! Pick up your free Home Study catalog at 210 HRCB. (South of the library.)



# Happy Birthday

## MRS. ROBINSON'S Restaurant

Home of the World's Largest Char-Broiled Burger.

Dine-In Take-Out



**Carillon Square**  
**224-5360**  
(next to Carillon Theaters)  
**New Experience in Casual Dining**

Anniversary Special

**1/4 lb. Char-Grilled for 2**  
**Hamburger** Reg. 99¢ price 1



MRS. ROBINSON'S

Must present Coupon

Expires April 11



# Monotony of city concrete relieved by botany garden

By GARY J. BERGERA  
Universe Staff Writer

...ized people long ago realized the importance of botany. The daily stresses and anxieties of life in urban cities are now offset by large town or public gardens designed to offer their residents an escape from the concrete and steel which surround them.

...he 25,000 or more students at BYU, life is a monotony thanks to administrative and administrative nearly 40 years ago when plans for the university's botanical garden and pond first began. In 1941, then university President, Franklin S. Smith, set aside a seven-acre tract of land in the east corner of the BYU campus for use as a botanical garden. This area, which was considered at that time, had previously been used as a pasture for grazing sheep and other livestock. Certain sections, notably the south and west, were mostly swampy lands which had been used for their use as possible future building sites.

...ertrand F. Harrison, now retired and current professor emeritus of Botany and Range Science, looked at that time by the administration to the project of converting the undeveloped land to "essentially a botanical garden with its own trees — in other words, an arboretum," he recalls.

...wanted to use this land as an experimental garden with the idea of expanding the number of shade trees that would grow in the area. It was, of course, to be used as a laboratory for study. And, we wanted this place to be for the students where they could enjoy nature. That's why we so many walks around it," he adds.

...lly, Harrison had to locate possible sources of which permeated much of the marshy land. He was to design a system of drains which would remove as much water from the area as possible.

...ther with university students and faculty, he built a series of ditches which were to soon drain the water was coming from two distinct sources. The principle one was a small spring which feeds the botanical pond.

...ad, at first, wanted a series of meandering paths throughout the garden, but "the spring was just impossible." The spring is now in the middle of the pond.

...ison recalls that workers had to decide which plants they would use when first designing the garden because of the limited space available to them. "I decided to plant only those trees native to America," he said.

...original land plot, Harrison continues, "was not less proportional to the continental United States. So I decided to put the trees in the garden in proportion to where they grew natively in the United States; southern trees and plants in the south part of the garden, northern plants on the north side, and prairie grasslands in the middle. I believe he was probably the first person to introduce bald cypress trees into the state. All southern trees now surround the pond. I know they'd grow so well. Since then,

however, they have become widely used throughout the state," he notes.

The pond in the south-west corner of the garden was first intended as a laboratory source of aquatic vegetation and insects.

"This is a prime collecting site for classes in algae and other aquatic plants. We use it also as a place to bait for fungi. And, it's also a source of water for the plants and trees growing around it."

Harrison recalls that at one time, goldfish from BYU President Harris' own pond were placed in the university's botanical pond to winter the cold months. The following year, however, "we forgot to take the goldfish out. Soon, there were goldfish everywhere."

Attempts to remove the fish proved ineffective. Finally, the entire pond was drained. "We took out nine buckets of goldfish," Harrison says, smiling.

"We gave the fish to kids from the neighborhood who'd been watching us. Well, their mothers must not have appreciated the goldfish. The following day, the fish were back in the pond. We soon gave in," he said.

Other inhabitants of the pond have included a mallard duck and a pair of muskrats.

The small pond, since 1941, has been used by BYU students in ways for which it was not originally intended. Overzealous upper classmen were often seen dunking freshmen who did not want to paint the block Y on Y-day into the pond. It was also used as a convenient means of drowning unwanted cats and other animals. Occasionally, the bottom would be cleaned to remove sacks of empty beer cans and bottles.

# Owl's nocturnal habits studied

By LOREN WEBB  
Universe Staff Writer

In the darkness the owl moves swiftly through the air, grasps the field mouse in its talons and in a few seconds settles down in the branch of a sycamore tree to devour his prey.

The owl is probably one of the least known birds in this country. Few people ever see them because of their nocturnal habits.

One person who is studying the owl and its habits in the Wasatch Front is Craig Pearson, a BYU graduate student in zoology.

The purpose of Pearson's investigation centers around the use of previously-recorded owl calls to find where owls in the field are located and get some kind of response from them.

Pearson said he would be using a wide range of calls on the approximately eight species of owls located in this area.

Of course, Pearson said, this field work takes place during the

night, and snowmobiles, spotlights, binoculars, mistnets and tape decks are utilized in finding the owls' nests in order to find out how many young there are. The birds are then banded

for future reference.

The areas being covered by Pearson include American Fork, Provo, Hobbie Creek, Spanish Fork, Diamond Fork, Payson and Santaquin Canyons.

"I am going to try to go up each canyon two times a month along the canyon bottoms and roads and stop at one kilometer intervals and then note the response till I get clear through,"

he said.

Owls are closely related to the night hawks, Pearson said, and occupy all types of nesting areas, including old hawk and eagle (Con't. on p. 44)

## FREE

(continued)

You know a good deal when you see one. Because of the overwhelming response, we are continuing our free frame sale. Come in to any Standard Optical and buy any complete pair of prescription eyeglasses, and you can choose another pair of frames from our high-style A.D.C. collection FREE.

Don't miss out. Now is the time to buy those glasses you've been promising yourself during this special sale at Standard Optical. Buy from the optical store you can trust, and get high quality at real savings too!



### See the Difference

## Standard Optical

161 West Center  
Provo  
Phone 373-2254  
Also in Salt Lake, Logan, Ogden & Bountiful




## everything under the sun ...

# FOR FUN!!

Sunset Sport Centers, the West's largest sporting goods chain, is proud to be serving the students of BYU. We carry a full-line of sports equipment, footwear, and sportswear for both individual and team sports. Whether you enjoy heading for the hills, hitting the courts, skiing the slopes, getting out on the green, seeing the wilds, casting a line, or running with the wind, Sunset helps you do it for less.

Sunset Sports Center, everything under the sun for fun!

• CAMPING • BASKETBALL • RELOADING • SADDLE & TACK

• SKIING • BACKPACKING • FOOTWEAR • EXERCISE • GOLF

• HUNTING • RAQUETBALL • ARCHERY • TENNIS • FISHING

• JOGGING • WATERSKIING • SPORTSWEAR • BOWLING

• BASEBALL • SWIMMING

Remington
SPALDING
Coleman
ROSSIGNOL

SALOMON
Garcia
Savage
O'BRIEN

CONVERSE
EKTELON
TEBCO
HEAD

BROWNING
PONY
Bushnell
adidas

LANGE
Wilson
Voit
WHITE STAG

Wrangler
THE NORTH FACE
CCI



IN OREM  
1616 SOUTH STATE

OPEN WEEKDAYS 9:30 TO 9:00  
OPEN SATURDAYS 9:00 TO 7:00  
CLOSED SUNDAY



## Bio-Ag progress evident

By  
ANTHONY CLARK  
Universe  
Staff Writer

If the displays in Dean Lester Allen's office are any indication of the progress of science at BYU, then it has come far indeed.

On one wall in the Dean of Agriculture and Biological Sciences's office, a photo of the stinger of a black widow spider blown-up thousands of times shows how man is able to study things never before visible through the use of electron microscopes and other advanced equipment. On the same wall is the photo of a cell externally and internally reproduced at 17,000 and 36,000 times its original size, showing man's study of things once unknown.

Adorning the west wall are wall mounts of an impala and a gazelle which will soon be added to the Monte L. Bean Life Science Museum. And to keep Allen in good humor, a ceramic ape sits on the dean's desk reading a book entitled, "Darwinism."

"I guess I have the spectrum of life in my office," Allen said.

### Great strides

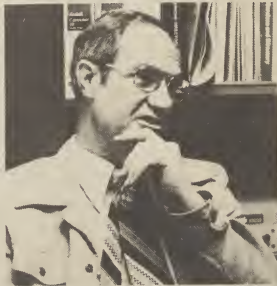
In the 10 years Allen

has been dean, the Agriculture and Biological Sciences College has made great strides. When he first came to BYU in 1959, he was only the fifth professor in the Zoology Department. Today the same department has 30 professors and other departments have grown correspondingly, Allen said.

The addition of the new Bean Museum will help BYU maintain its place as one of the foremost universities in the U.S. for natural history, according to Allen. "This will help BYU maintain putting perpetuity for natural history into place, for which we have long been famous," he said.

With the evolution of science toward molecular biology and other fields, most universities have either dropped or minimized their emphasis on the natural sciences, Allen said. "We have wanted to maintain our heritage of natural history and Mr. Bean's gift means just that. The fact that we have retained natural history makes us unique."

The department of Agriculture and Biological Sciences was organized in the 1920's



Universe photo by Brent Downey

Dean Lester Allen talks about the developments in the college of Biological and Agricultural sciences.

under the influence of three faculty members, Thomas Martin, Vasco Tanner and Bertrand Harrison.

Currently the department houses six majors: agriculture-economics, agriculture-horticulture, animal science, botany-range science, microbiology, and zoology.

### Pre-med students

Today two-thirds of the department's students are pre-med most

of which are majoring in zoology. "We are above the national average in placement of our students in medical schools," Allen said. "We actually have the top pre-dental program in the country."

The Y pre-dental program pioneered by Dr. Heckman allows students to gain experience working in cooperation with dentists in Utah County. "We have quite a reputation nationally," Allen said of the pre-dental program. "We have a cooperative dental profession in the area."

Facilities for the emphasis of agricultural study include a 700-acre farm. "We are competitive with the best agricultural schools in training," Allen said.

As for the future, Allen sees continued departmental improvement. "Now that there is a limitation on our growth and a ceiling on faculty, we are trying to focus on a cooperative program of research and teaching," the dean said.



## Research projects vary

By MICHAEL  
ZARATE  
Universe Staff Writer

Progress is inevitable and BYU researchers are striving to make progress a benefit to the entire human race.

Researchers in the BYU Zoology Department are working to save lives, increase food yields and maintain the delicate balance of the planet we call our home.

"The biggest part of our zoology department is able to make a substantial contribution to national and international research," Dr. Clive D. Jorgensen, dean of the department said. "We cannot compete with the big research mill around the country, but per capita, we are still able to make a definite contribution."

Almost every professor in the zoology department is working on some sort of research project or another, Jorgensen explained.

"It is not possible to do many of our projects and remain on campus or even in Utah," Jorgensen said. "The work we do takes us all over the United States and many times to other countries."

One research project which is currently receiving national attention is that of Dr. Gary M. Booth, associate professor of zoology. He is doing research to develop a new pesticide called dimilin.

Dimilin, also known as

THI 60/40 interferes with the formation of an insect's outer layer of skin. Larvae which are exposed to the pesticide die from a rupture in their skin as they grow.

"So far, dimilin has worked well," Booth said. If the research results prove favorable, dimilin could replace DDT as the pesticide of the future.

Dimilin has proven effective against a wide variety of insects, including moths, mosquitoes, houseflies, hornflies and stableflies.

Booth said the new pesticide seems to have no adverse effect on non-target organisms at normal use levels. Tests have been conducted on numerous water animals including crabs, grass shrimp, frogs and snails with no ill effects.

A study conducted last year involved spraying dimilin on Provo Bay of Utah Lake to observe its effect on nesting birds.

"From all the data we have collected, there are absolutely no negative findings from the Provo Bay study," Booth said.

Other studies BYU zoology professors are doing include finding ways to rear lobsters more economically, battling the problem of male infertility, using satellites to track bald eagles and other projects designed to aid in the progress of man.

According to Jorgensen funding does not come easy and hours are long, but BYU will continue to make a viable contribution to the research being done around the world.

### Classes now forming.

**MCAT** MCAT • GRE • DAT  
OCAT • GMAT  
SAT • VAT • LSAT

NMB I, II, III  
ECFMG • FLEX • VQE

NAT'L DENT BDS • NURSING BDS

**STANLEY H. KAPLAN  
EDUCATIONAL CENTER**

Test Preparation Specialists Since 1938  
OPEN DAYS, EVENINGS, & WEEKENDS  
For Information, Please Call:

445 N. University, No. 211

374-1000

Interested in

## FILM SOCIETY?

WE WANT YOU!



How would you like to work with fun, exciting people in a "Classic" field — We need volunteers for Spring, Summer and next Fall. For further information call:

for further information contact

**Meg Hunt - Culture Office 429 ELWC - 3901**

## Unique Title Contest

# WIN \$25

Suggest a new title for BYU's Homecoming Queen/Belle of the Y and win \$25.

Enter as many names as you wish.

Turn your entries in to the receptionist on the 4th floor of the ELWC by 5:00 p.m. April 3.

Turn entry in to receptionist 4th floor ELWC by 5:00 p.m. April 3.

Your Name .....

Address .....

Phone .....

Title .....

## More BYU students buy their food at Storehouse Market than any other\* Why?

- Lowest prices in Utah  
Compare our prices with other markets... ours are lower.
- All national brand items at lowest possible prices.
- Tremendous inventory and selection  
Come and see for yourself.
- High quality, fresh meat, produce, and dairy products.
- Health and beauty aids.
- Everything you need to set up house and start school right.

## Why pay more?

## Our formula to success

H.V. + L.O. + N.S. + N.G. = L.P.

high  
volume

low  
overhead

no  
stamps

no  
gimmicks

low  
prices

The closer you look . . . the more we sell!



## Here to serve you in Provo • Orem • Spanish Fork

\* 1977 BYU Market Study



# Bookstore Conference Specials

March 27 - April 22

**Mormon Doctrine**  
by Bruce R. McConkie  
reg. price \$10.95  
**\$8.25**

**Highest In Us**  
by Truman G. Madsen  
reg. price \$4.50  
**\$3.19**

**Someone Special Starring Youth**  
by George Durrant  
reg. price \$3.50  
**\$2.50**

**Companion to Your Study of the Book of Mormon**  
by Daniel H. Ludlow  
reg. price \$6.95  
**\$3.00**

**Joseph Smith, Martyr, Prophet of God**  
by Francis Gibbons  
reg. price \$6.95  
**\$4.00**

**Marriage and Divorce**  
by Spencer W. Kimball  
reg. price \$2.95  
**\$1.00**

**Aaronic Priesthood**  
by Oscar W. McConkie  
reg. price \$4.95  
**\$2.00**

**Hyrum Smith Patriarch**  
by Preston Corbett  
reg. price \$6.95  
**\$3.00**

**The World and the Prophets**  
by Hugh Nibley  
reg. price \$5.95  
**\$3.00**

**Jesus the Christ**  
by James Talmage  
reg. print  
brown and black leather  
reg. price \$16.50  
**\$12.50**

**The Articles of Faith**  
by James Talmage  
reg. print  
brown and black leather  
reg. price \$14.50  
**\$10.75**

**Discovering the World of the Book of Mormon**  
by Lamarr Berrett  
reg. price \$6.50  
**99¢**

**Topical Guide to the Scriptures**  
hardbound edition only  
reg. price \$7.95  
**\$5.95**

**Paperback Reference Set**  
(9 basic doctrine volumes)  
reg. price \$9.95  
**\$6.50**

**S6 White matched scriptures set**  
(missionary triple & Bible)  
reg. price \$68.00  
**\$54.00**

**MB1 Black Missionary Bible**  
(unindexed)  
reg. price \$21.00  
**\$13.00**

**Black Quadruple Combination**  
large print  
reg. price \$73.00  
**\$58.00**

**Black Quadruple Combination**  
regular size  
reg. price \$55.00  
**\$44.00**

**Book of Mormon**  
vest pocket size  
brown and black  
reg. price \$3.95  
**\$2.75**

**Today I Saw A Prophet**  
by Barnes and Pearce  
reg. price \$4.95  
**\$2.00**

**Teaching the Gospel with Overhead Transparencies**  
reg. price \$5.95  
**\$2.00**

**If You Must Work**  
by Barbara Salisbury  
reg. price \$3.50  
**\$2.50**

**Music for the Home**  
by Laycock, Law, and Nielsen  
reg. price \$2.95  
**\$1.95**

**Quiet Book Kits**  
reg. price \$6.95  
**\$4.95**

Offer good only while supply lasts. Some quantities are limited. NO RAINCHECKS.





Bio-Ag college

# Research aims to improve life

By JAN LINDSTROM  
Universe Staff Writer

Helping people learn about the costs and returns for small plot family gardens and researching the possibilities of re-feeding manure solids to cattle are only a few of the research projects in the College of Biological and Agricultural Science.

Max V. Wallentine,

associate dean of the college and chairman of the agriculture department, said the Bio-Ag College works closely with the Benson Institute, a BYU-owned development arm of the university in Spanish Fork, which operates on donated funds and contracts.

The cooperative efforts of the Benson Institute and the Bio-Ag

college have produced information to the general public on the benefits and procedures for starting family gardens.

Wallentine said research is also being done to raise inexpensive and easily produced grasses and brushes to feed animals. The cost of feeding livestock is being reduced through research and experimen-

tation with re-feeding manure solids to beef cattle. This substance has approximately one-half the nutritional value of the original corn silage fed to the cattle.

One BYU faculty member on sabbatical at Oregon State University, Dr. Paul Johnston, has had a great deal of success working with artificial insemination of rabbits and turkeys. Wallentine related.

Another BYU professor, Dr. Robert Gardner, is doing research on improving dairy equipment. "A lot of the dairy equipment currently being used is

## Utah lake fish thrive

Many people in Utah County have the misconception that nothing can live in the unclear, dirty waters of Utah Lake.

Dr. Sam Rushforth, of the Botany and Range Science department at BYU, said "the lake is loaded with fish. What the lake needs is for people to recognize that and use it," he added.

To date, the most common fish in the lake are the introduced species. The decline of the native species began when the Mormon settlers came into Utah Valley in the mid 1800's, Richard Heckman, of the zoology department at BYU, said.

Brigham Young first began the introduction of fish in the lake. "He introduced carp and many other types of fish in the lake, and the carp have forced out other types of native fish," Rushforth said.

too mechanical. If it's not working perfectly it can cause the cows to develop mastitis, or inflammation of the udder," Wallentine explained.

The College of Family Living and the Bio-Ag College also work together on projects in food, science and nutrition. Dr. Hal Johnson is currently working on product development to make snack foods that appeal to the public and are also nutritionally valuable. "They're taking products like cheese puffs and making them with a soybean and corn base for a higher protein content," Wallentine said.

Dr. Ray Farnsworth is working on utilizing nitrogen as a fertilizer by developing certain bacteria, such as alfalfa, (Con't. on p. 39)



## Quality, Service and Selection

Chez Marquis Fine Jewelry will celebrate its tenth year anniversary this year. "It is hard to believe that time has gone so fast," says Terry Jarrett, owner of the Provo jewelry firm. "It seems like yesterday that I started, yet when I see our clients come in with their growing children, you know the time has past. We are inviting you to see us this spring. We appreciate you making us successful and we wish to return the favor by giving you the best service anywhere. And that's a promise."

**Chez Marquis**

CONTINENTAL PLAZA MINI MALL  
250 W. Center St. 373-9890



## Engaged?

Come in to see our full line of Wedding Invitations in natural color and one color. Printed Napkins, Thank You cards, Accessories. Ask for free samples.

**PRESTIGE WEDDING ANNOUNCEMENTS**  
1603 West 800 North - Provo  
Phone 375-8181

A DIVISION OF PRESS COLOR WEDDING INVITATIONS

## THE Italian PLACE

## The I. P. Gang



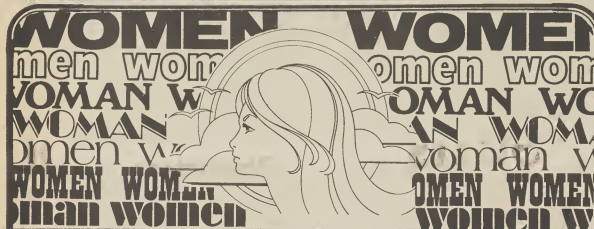
## wants you!

Everybody has a birthday club for kids under 12, right? Now someone has done something for us kids over 18! It's a FREE dinner for your birthday at the Italian Place. Here's what you get when you join the I.P. Gang:

1. An official I.P. Gang Membership card.
2. A FREE dinner of your choice for your birthday. We'll send you a "Birthday Contract," redeemable when you present it any time before your next birthday, at the Italian Place.
3. Special coupons for Italian Place purchases.
4. A big hurrah from our employees every time you show your I.P. Gang card.

It doesn't cost anything to join, but you do need to bring in ID to prove you're over 18! Come in to any of the locations shown below...and join the I.P. Gang today!

862 N. 700 E. (south of Campus)  
291 N. University, Provo  
1260 S. State, Orem (near Mall)  
2 E. Main, American Fork  
127 N. Main, Spanish Fork



## THE WOMEN'S OFFICE WORKS FOR YOU!

The main goal of the Women's Office is to help women achieve and utilize their full potential. A woman needs to develop herself academically, culturally, physically, socially and spiritually in serving others. The Women's Office sponsors a variety of activities to help in these areas. We also serve as a resource center for information and involvement in women's issues and concerns.

### Women's Office Programs

- Bridal Fashion Show
- Bridal Workshops
- Craft Fair
- Homecoming Queen Contest
- National Women's Conference
- Preference activities
- Servicemen's Christmas packages
- Spiritual Lecture Series
- Teach-a-grams
- Women's Health Week
- Women's Resource File
- Support Women's Sports



ASBYU Women's Office, 1977-1978



# Rats are used for birth defects study

By RONALD C. GUNNELL  
and KAREN PATTERSON  
Universe Staff Writers

As upon rows of rats live out their existence in only to be sacrificed on the altar of science. A plot? Perhaps, from the rats' point of view, in the vastage point of our future children, it is, if in a somewhat furry disguise.

Environmental Science Branch of the National Institute of Health (NIH) has awarded a \$9 contract to the BYU Department of Zoology to conduct research on the identification of processes during birth defect formation, according to Stanley Allen, assistant professor of science.

The study will be administered incrementally, \$94,000 in the first year, and the remaining \$367,974 to be completed over the next three years.

BYU department won the grant in competition with other universities across the country. The project, officially termed, "Identification of Minimal Indicators for Developmental Toxicity," is a continuation of the "Blue Sky" research done by NIH. Besides NIH, BYU is the only institution in the nation engaged in a search for the causes of birth defects.

Allen said the immediate purpose of "Blue Sky" is to develop tools to monitor pregnancy. This is particularly important if the mother has had previous abortions.

Allen explained, the rats are given known birth causing compounds, and then studied to

determine which enzymes fail as a problem occurs. At present this research is in such a preliminary state that almost nothing is known about it, including whether the defect results in enzyme failure or if the enzyme failure causes the defect.

According to Dr. William S. Bradshaw, assistant professor of zoology, there is a very large catalog of agents that can cause problems in the development of the human embryo. "Many drugs or medicines that are inadvertently taken into the body can have effects also," Bradshaw said. "Environmental pollutants also can cause problems," he added.

Bradshaw describes the research as "really beginning with the 'teratogen,' the puzzling agent that causes some of these serious problems, he said.

Bradshaw said the researchers will focus their attention on three different classes of compounds or agents that scientists have discovered can cause birth defects. The first class is known as hormonally active. These agents, when put into the body, act like a hormone. Histories show the use of these chemicals has been known to cause cancer. Laboratory tests in animals showed that birth defects also occurred.

The second group of compounds are heavy metals like mercury, cadmium and lead. Mercury has been a controversial topic, especially when tuna fish was found to have concentrations of it in their bodies were being sold to consumers.

Cadmium and lead will be the two metals primarily involved in the research, as both are known to cause birth defects. Cadmium is in tires and on the inter-state highway systems across the

country. Lead is used in the battery industry and its effects are very extensive, Bradshaw said.

The third class of compounds is known as P.C.B. This group of molecules will also be used in the research.

The research procedure involves taking low doses of each compound and injecting them into the embryos of rats. The dosage will be low enough so the embryos will survive. "We suspect that even with a low dose some toxic effects will result," Bradshaw said.

Measuring the subtle effects that take place when these compounds are administered will be done by bio-chemical measurement, according to Bradshaw. "Bio-chemical measurements are much more accurate than other types of measuring. There are over 1,000 different possible things to measure when using bio-chemical measurements," Bradshaw said.

"You begin with educated guesses on what measurements would be the most sensitive," he commented. As the embryo changes and develops, the bio-chemical characteristics of the tissue increase in a highly radical way, Bradshaw said. "We take a comprehensive look at these animals. We check the over-all condition, checking individual organs and tissues," he added.

The research team is headed by Bradshaw, a bio-chemist, along with Dr. Robert Segmiller of the zoology department who specializes in the study of abnormal formations in plants and animals.

Other members include Gary Booth, a toxicologist, Stanley Allen, a veterinarian from the animal science department, and Dr. Donovan Fleming from the psychology department. A number of graduate students and undergraduate technicians will also be involved.

"The awarded contract is renewable up to four years, depending on the outcome of the work," Bradshaw said. "We should have some results within two or three months. Those results will be released in scientific publications. Subsequent findings will also be released later," Bradshaw added.



Chemical compounds which are known to cause birth defects are injected into female rats to study the effects on the development of embryos.

Univ. of Utah State University present

**FIREFALL**

Tuesday, Mar. 30  
8:00 p.m.  
The Spectrum  
Tickets are  
\$1.00 & \$5.50  
available at all  
Univ. Record  
Locations

Diamonds...

Get the true story  
of cut, color, clarity  
and value before you buy.

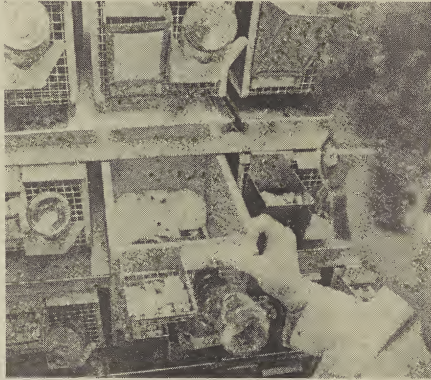
*Ream's*  
**Diamonds**

Established 1971  
15 No. University Drive  
373-3248

WHEN YOU  
CHOOSE SOMEONE  
TO BE WITH  
CHOOSE  
DOUG MARTIN  
PHOTOGRAPHY

**DOUG MARTIN**  
PHOTOGRAPHY

702 COLUMBIA LANE, PROVO, UTAH 84601 374-4500



Technician Randy White from Billings, Mont., examines pairs of male and female rats used in research on birth defects.

● Food production, agriculture stressed

(Con't. from p. 38)

which take the nitrogen out of the soil naturally. This saves a great deal on the cost of fertilizer.

The Bio-Ag College is also concerned with educating people about farming and agriculture. "With only four percent of the population in the U.S. living on farms you don't have too many people knowing a lot about farming," he said.

The college conducts tours of the BYU dairy and farms for thousands of school children throughout Utah yearly.

In addition to tours, the Bio-Ag College conducts seminars to educate LDS Church members about farming. "We are by-and-large a non-agrarian Church," Wallentine said. "Many members of the Church want to start gardens or

farms but they don't know what to do. We try to help them get started."

One of the ways the Bio-Ag College educates the public is through its annual Agriculture Week. Leading national and world experts, concerned with solving the problems of obtaining food and overcoming government regulations on food production, give lectures to inform the public as well as the students.

Wallentine said government regulations are the main cause of high food prices. "Restrictions put on many chemical companies by governmental agencies have forced many of them out of business."

**MISSIONARY CLOTHIERS**

"EVERYTHING FOR THE MISSIONARY"

**Spring Suit Sale**

**All Suits 20% off**

**Selected Styles**

**Nunn Bush Shoes 25-40% off**

261 N. University Ave., Provo, Utah 84601

Phone: 801-374-9220  
Open Mon.-Sat. 10 a.m.-6 p.m.

Swedish Knits  
Texturized Polyesters  
Wool Blends

VISA

Master Charge

**WHAT IS THE BYU SALT LAKE CENTER?**

BYU Salt Lake Center was first organized in 1959 to serve the needs of a wide audience of part-time students with high quality credit and non-credit classes.

**BYU APPROVED FACULTY**

Quiet, Convenient LOCATION  
401-12th Avenue

Go to college part time while you work. 328-0325  
Call today for a free class schedule

Student scholarships and grants are available!

L.D.S. Atmosphere  
An Extension of BYU Campus in Provo

**OFFERINGS**

Select from a wide variety of classes which fill university general education requirements.

Associate Degrees Offered In:

Family Living  
Family Relations  
Child Development  
Family Economics

Home Management  
Interior Design  
General Studies

**LAW ENFORCEMENT**

**NURSING**

**UNIVERSITY STUDIES**

Learning Resource Center

Library



# Institute studies food needs

By JEFF BUCKNER  
Universe Staff Writer

To many church members, the name "Ezra Taft Benson Institute" probably creates a mental image of an organization dedicated to conservative politics.

The Institute, however, is non-political. It gets its name from Elder Benson's long service as Secretary of

Agriculture during the Eisenhower administration twenty years ago.

The Benson Institute was set up three years ago to provide research capabilities for the food and agricultural problems both of BYU and the LDS church, according to Delos Ellsworth, the institute's associate director. The institute maintains a

computerized list of about two thousand LDS scientists whose special abilities can be directed towards solving a problem in situations requiring specialized knowledge.

## Technical assistance

The main thrust of the institute's research, according to Ellsworth, is to assist the peoples of the developing countries

to become self-sufficient by investigating their problems and coming up with solutions.

The institute provides technical assistance, attempting the people to make better use of existing resources and to provide information and research to local church leaders.

Ellsworth says information bulletins from the institute are sent to the scientists affiliated with the Institute and to the Presiding Bishop's Office. The bulletins are "delivered to local church membership through priesthood lines."

## Quality control

At BYU, the Institute operates a quality control lab in food production. The lab provides "services" for the welfare program of the church on a contract basis, says Ellsworth, and supplies welfare services with "specimens for every product produced by welfare."

"Two direct benefits of the quality control lab are to provide information for church welfare services and to give students work experience," he said. "The quality control lab is the largest cannery control lab in the country."

Among the developments underway at the lab are a line of baby foods for welfare and a new line of ketchup and soup. "We're even working on a pancake syrup that would have butter mixed right in it," Ellsworth says.

Three samples of each product are selected at random and inspected. All products produced for welfare services must comply with Pure Food and Drug Administration and United States Department of Agriculture, he points out.

Although all church-owned canneries are currently within the United States, church welfare canneries will be set up in Mexico and Korea, Ellsworth says. "A foreign country can set up a cannery when the local church leadership and membership are willing to pay the price for its con-

struction and maintenance."

Food storage research is also conducted by the institute. "Homestorage — as it affects church members world wide — is influenced by many variables," Ellsworth explains. "But its principles are the same anywhere. Food must be protected against moisture, light, insects, temperature and rodents."

Members will be able to adapt their food storage programs to local conditions if they "understand and utilize these principles," he observes.

## Plot gardening

The Institute is also involved in agricultural research operating some 30 experimental garden plots on BYU farms.

"We are concerned with tonnage — total output — as much as getting better nutrition from the plants grown on these plots," Ellsworth observes. "We've learned that a 20 x 20 ft. garden plot will provide food for a family of four for a year if properly cultivated."

Based on its research, the institute has published a book about small plot gardening outlining the best combination of plants to grow in order to get the most nutrition from a garden.

Most of the church membership outside the U.S. is located in cities, according to Ellsworth. "We encourage church members who are apartment dwellers to grow vegetables in trays or in boxes and produce what they can."

"Too often we approach food storage with a 'Wasatch Front syndrome,'" he continues. "We try to make everyone else like us. For example, canning in South America is impossible. People there don't have pressure cookers and can't get lids which seal properly."

## Oil rich nations

### Arabs look to solar energy

BOSTON (AP) — Saudi Arabia, which sits atop a goodly supply of the world's oil, is not ignoring a natural resource even more plentiful — the sun.

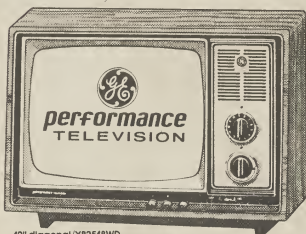
Saudi Arabian physicist Hashim Yamani is touring solar research centers in the United States to further his country's policy of hedging its economic bets with solar energy research.

One reason is "because we have a

brighter sun and better solar days elsewhere," said Yamani, dean of graduate school of the University of Petroleum and Minerals in Dhahran.

Why would the nation with largest oil reserves in the free world trying to develop solar energy? Because they have 364 days a year sunshine, they have more solar energy than oil, said Lewis Bowden of U.S. Treasury department's office of international affairs in Washington.

## THE BLACK & WHITE PERFORMER OF THE YEAR.



12" diagonal / XE2518WD  
Walnut finish on high impact plastic.

When you're looking for that second set, look into a solid-performing black and white from General Electric. Its 100% Solid State Chassis is the product of years of research and development. Its long-lasting, cool-running transistors and integrated circuits use less power than comparable "tube-type" sets and provide the kind of clear, crisp picture performance that gave GE Performance Television its name.

- 100% Solid State Chassis
- Quick On "Daylight Bright" Picture Tube
- VHF "Pre-Set" Fine Tuning
- Up-Front Controls
- Set-And-Forget Volume Control
- DC Restoration
- 70 Position "Click-In" UHF Tuning
- Built-In Universal Antenna

Only \$98

GE PERFORMANCE TELEVISION

**JACK DUCKETT  
APPLIANCE & TV**

150 North University Avenue  
Provo, Utah 373-8050

sneak  
a peek  
of  
Summer  
fashion



If you have an eye for fashion, you can see at first glance that our peekaboo wooden wedges will look great all Summer long. After you give these sandals the once-over, you'll be more than tempted to take a second look! Quarter-strap in Tan Latigo leather uppers, \$21.99. Slip on in Tan Latigo woven leather uppers, \$24.99.

**Buskens**

**pratt's shoes**

129 W. Center Provo

## ART PRINTS

- Large Selection of Decorator
- \* Prints
- \* Humorous
- \* Contemporary
- \* Sophisticated
- \* Western
- \* Traditional



**of the Best!**

**We have some**

**BRUNING FRAME & ART**

250 West Center Continental Plaza  
Provo, Utah Phone 377-4367

ELWC Ballroom  
April 7  
7:30 p.m.



## ASBYU SOCIAL OFFICE PRESENTS: A CREATIVE DATING SPECIAL FEATURING DATING, NEARLYWED, NEWLYWED GAME

Name \_\_\_\_\_ Age \_\_\_\_\_

Address \_\_\_\_\_

Social Security Number \_\_\_\_\_ Phone \_\_\_\_\_

☐ SINGLE

☐ NEARLYWED

☐ NEWLYWED

Return to 446 ELWC

1. Fill in information.
2. Check appropriate box and answer correspondingly. Briefly describe yourself and your most memorable dating experience. How did he/she propose? Describe yourselves and your most embarrassing moment as a married couple.
3. Place application in box located in Social Office (446 ELWC).

CALL 375-DATE for information  
Return forms by March 31



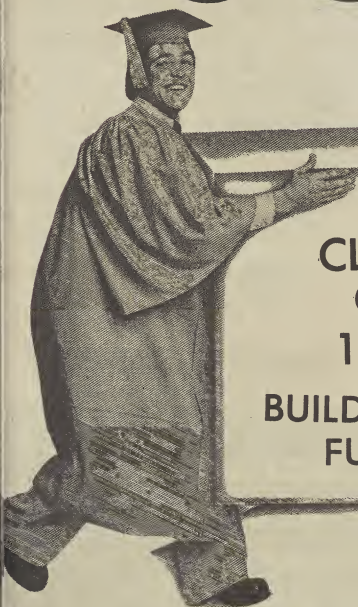


"KING OF THE ROAD"

# JOHNSON

## TIRE SERVICE

SERVING BYU...SINCE 1924



CLASS  
OF  
1978  
BUILDING THE  
FUTURE

# GOOD LUCK COUGARS FROM ALL OF US AT JOHNSON TIRE!



SPRINGVILLE



Ed & Beth Johnson  
Owners



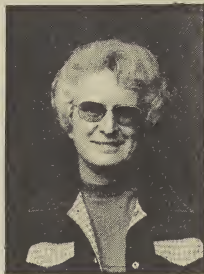
SPANISH FORK



AL LUDLOW  
SPANISH FORK MANAGER



JERRY  
SMITH      MIKE  
JOHNSON



VELMA TAYLOR  
(SECRETARY)



FRANK BISHOP  
(FARM TIRE SALES)



JENNY JOHNSON  
(SECRETARY)



BUZZ CHIPMAN, ALIGNMENT, BRAKES

RICHARD MEASOM      ALLEN  
JENSEN (SERVICE)      BOB  
STEELE

WE OFFER YOU THE BEST IN:

- RETREADS
- RADIALS
- SNOW TIRES
- ALIGNMENTS
- BRAKE SERVICE
- TUNE-UPS
- SPRING TIRE ROTATION
- STATE INSPECTION
- PLUS MANY OTHER SERVICES

LET US HELP GET YOU ON THE ROAD TO YOUR NEXT DESTINATION!

GOODYEAR

MICHELIN

Fleetwood



# JOHNSON

## TIRE SERVICE

610 No. MAIN  
SPRINGVILLE  
489-5621

SERVING UTAH  
COUNTY FOR  
52 YEARS

480 So. MAIN,  
SPANISH FORK  
798-7452



# Artifacts housed in old museum

By STEVE COX  
Universe Staff Writer

Tucked away in the basement level of the Maeser Building on southwest campus, is the Museum of Archaeology and Ethnology.

The museum is unique in its own way because it contains several artifacts dating back more than 2,000 years.

Dr. Dale Berge, director of the museum, said Dr. M. Wells Jakeman founded the museum in 1946. Jakeman held the position until 1968 when Berge was appointed.

"I've seen tremendous growth since I've been here," Berge said. "In fact, we are really in need of more room right now to display many of the things we have in storage, but this may take time because of the limited funds."

## Interesting exhibits

Some of the interesting exhibits found in the basement floor museum are artifacts contained in the Beer-Sheba collection, which have come from the Holy Land and date back as far as 1,200 B.C. Included in this collection are such items as cooking pots, oil lamps, makeup jars, bowls, storage jars and decanters.

Berge explained one of the displays which attracts a lot of attention is the Tree of Life stone. The stone on display is a duplicate of the original found in Izapa, Mexico, which is believed to be a carving of an actual incident from the Nephite record of the Tree of Life.

The stone is 8 feet high, 5 feet wide and 2 feet thick. Berge said a mold of the stone was made by BYU in 1958, and the cement cast has become the



A set of Maya figurines found in Laguna De Termino, Mexico are displayed in the Museum of Archaeology and Ethnology.

principal exhibit and perhaps the prize possession of the museum.

Mr. and Mrs. Nathan J. Barlow donated more than 300 items including pre-Columbian pottery, figurines and tools found in South America by Barlow while he was serving as chief of the Education Division of the U.S. Foreign Service.

Another collection found in the museum includes artifacts from

Mesopotamia. As the cradle of civilization for the old world, Mesopotamia is the birthplace of our writing system, Berge said. Early Mesopotamia writings date back as far as 2,300 B.C.

LDS Church members have shown great interest in the museum's Nauvoo collection, Berge said. This particular display contains items which were used by members of the church during the time Joseph Smith was alive.

## Educational device

The museum also receives items from missionaries who have found artifacts while serving missions and then donate them to the museum for safe keeping.

Berge said he would encourage members of the church to donate items not only for safe-keeping but so they can also serve as educational devices for students and the public.

# New processing makes milk fresher

SUMNER, Wash. (AP) — Curley DeTray says he can't understand all the fuss Eastern researchers are going through to keep milk fresh, since he's been doing it successfully for more than three years.

The process is called

ultra-pasteurization, or sterilization, in which DeTray flash-heats the milk, then flash-cools it, killing virtually all the bacteria. He claims milk can be stored weeks or months without spoiling, and the flash-method keeps it from tasting as if

it's been cooked. Pasteurized milk, which must be refrigerated, has a maximum "shelf life" of about two weeks — less, if the container is opened fairly soon after packaging. DeTray runs Valley

Fresh Products here, packaging milk under the Stayfresh label. Besides whole milk, the Valley Fresh line includes two percent milk, chocolate milk and carob flavored milk for an Oregon health food store.

DeTray's customers include Elmendorf Air Force Base near Anchorage, the Coast Guard, the National Oceanic and Atmospheric Administration and the Federal Aviation Administration. He doesn't sell Stayfresh products locally.

His processing room is pressurized, and only filtered, sterile air can get in. Working parts of the packaging machinery are lubricated with steam. Only one person works in the processing room at a time, and the worker must wear sterile clothing.

## HURRY!

**Don't let Semester in Hawaii leave you behind!**

**You may have missed this winter's Semester in Hawaii, but don't be left behind in August and miss the fall Semester in Hawaii program.**

Get your application TODAY!  
Available NOW  
at BYU Travel Study Office  
Room 202 HRCB

For a surprisingly low cost, spend fall semester in Hawaii, at BYU Hawaii Campus.

## Travel Study

BYU TRAVEL STUDY  
DIVISION OF CONTINUING EDUCATION  
HRCB 202  
PROVO, UTAH 84602  
PHONE 374-1211 ext. 3946

Please send me complete information describing the Semester in Hawaii program.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Area Code/Phone \_\_\_\_\_

Also, please send information to the following friends:

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Area Code \_\_\_\_\_ Phone \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Area Code \_\_\_\_\_ Phone \_\_\_\_\_

# LOST & FOUND SALE AND AUCTION

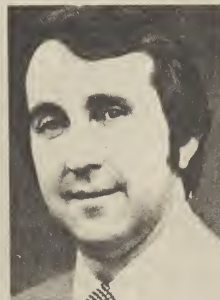
Saturday, April 8, 1978  
10:00 a.m. to 12:00 noon  
Main Ballroom ELWC

## Line Control Policies:

1. Consecutively numbered tickets will be issued from 8:00 a.m. on.
2. Each individual must wait in the line to receive a ticket.
3. All ticket holders must be back in the line by 9:30 a.m.

# We are number one in service, price and product

Dunkley Music has been serving Utah for 38 years, and the best years are still to come. As the owner manager of Dunkleys I want to take this opportunity to thank all of our customers who have patronized our store and have made Dunkleys the success it is today. We are happy to have served you with the Lowrey Organ line, which is the best in the industry. We can guarantee you the finest in organs and pianos and hope you will stop in and see the largest selection of E-Z Play Music in the State. We guarantee you the lowest prices in Utah county.



Keith Callister  
Owner-Manager



Come in thru April 1, and check out our  
**DISNEY DAZZLER SELL-A-THON**  
& receive a free Disney gift  
just for stopping by



Keith Callister's  
**DUNKLEY MUSIC**  
124 WEST CENTER PROVO, 377-8409



# Cancer bug often hard to destroy

By RON KNOLTON  
Universe Staff Writer

There exists a type of virus which is a cancer tumor in a hamster, called an African monkey yet has little effect on an Asian monkey.

That's the problem with cancer research, Dr. James A. North, a biologist at the BYU Cancer Institute, complains. Of the 600 known viruses, only 200 cause cancer, and it's difficult to determine if a virus-causing cancer in a hamster or other animal is the same in a human.

A virologist, North studies cells infected with cancer viruses. Together with Dr. Roland K. Robins, director of the Cancer Institute, they make chemicals to kill cancer cells and return the cell back to normal. And the two have been somewhat successful so far, developing a drug, called effective against herpes, encephalitis and hepatitis.

While working with a medical director at the ICN Pharmaceutical Company in Brazil, Robins met and discussed the effects of the drug with Dr. A. Ayrosa Galvao of the hospital in the state of Sao Paulo.

He tried it with some patients that had already gone into a coma," Robins said.

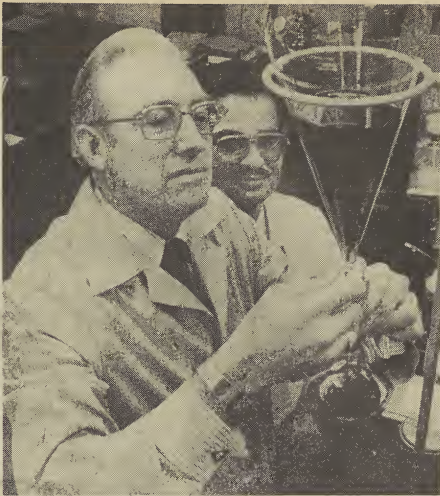
One day or so the three hepatitis patients would be but "corpses," he said. Two came out of the coma and after further treatments left the hospital a week later. The other patient was unable to be helped and died.

Since then, the drug has been used in Brazil, Pakistan, Taiwan, Mexico and most of Latin America.

Cancer cells are often formed when a virus attaches itself to a cell. It transforms the cell, integrating the cell's DNA. In the case of influenza (productive viral infection), the virus brings with it new genetic information, reprogramming the cell to produce more viruses. Using the cell's enzymes and energy, it reproduces itself, then spreads and mutates other cells.

"We feed them (the virus cell) something that's far out, they ignore it," North said.

North is trying to make a chemical



Universe photo by Raelene Colobella  
With assistant, Dr. Roland K. Robins adjusts apparatus used in cancer research.

that's deceitful. It looks like one thing, the cell lops onto it, but it's really not, it's poison.

"If we can, we want to revive the cell, if not, we want to kill it," he said.

The problem with testing new drugs is finding something to kill the virus, but not harm the cell because if the drug "kills normal cells, it kills the person," North said.

Leaving back in a soft armchair in his office, Robins said the institute began in January because "quite a few people were interested."

Robins said he talked to other professors on campus and decided to see "if we could work more closely together."

The institute has no one specific location on campus, but is composed of many professors working in their offices and laboratories throughout campus. The institute also includes graduate students, undergraduates and research assistants.

In North's lab are counters filled with microscopes and glass vials. The walls are lined with freezers, some dropping as low as 90 degrees Centigrade. Inside the freezers, glass vials containing live polio and tumor-causing virus cells are stored.

Under many of the counters in North's laboratory are metal containers which store the glass vials in liquid nitrogen. "The cultures can't mutate while they're frozen," he said.

The Cancer Institute is small compared to those on other college campuses, but Robins feels the institute has other advantages.

Robins said BYU should be able to attract the best students in the country to work with the institute.

"If they see we have a good effort going, we can then select and have the better students working with us."

The type of student the institute is looking for is the hard working student, Robins said.

# Y farm produces healthy pigs

By DAVE HEYLEN  
Universe Staff Writer

Although the final packaged product of a pig is all many of us ever see, pig farmers are rapidly learning how to send pigs to market healthier and quicker.

Here at BYU, students are having first hand experience at raising and managing Specific Pathogenic Free (SPF) pigs. This project, which began in the early 1960's under the direction of Prof. Phil Shumway, was designed to produce healthy breeding stock and to send them to the market earlier, said Ken Jones, a herdsman at the BYU Farm in Spanish Fork.

"The farms main purpose is to train students how to raise SPF pigs and give them a chance to manage the operation," Lamont Smith, director of the program said. Smith hopes the program will advance far enough so students can rent pigs from the school and raise them on their own.

Jones said, "The purpose of the experiment is to provide a practical lab experience for the students."

BYU students have an advantage in learning animal management, because of the farm environment they're offered.

"We are fairly well automated with an environmentally controlled atmosphere," Jones said. With confinement facilities and automation such as automatic feeders and controlled temperature, piglets can be raised quicker and healthier.

The key to raising healthy pigs quickly is to keep the area as free of disease as possible. To do this, extra precautions are taken, such as the wearing of special overalls and boots by all visitors to the farm. Also, only SPF pigs are brought in for breeding.

To bypass many of the diseases pigs receive at birth, researchers developed a method by which the piglets would not be infected during the birth process. This involved removing the fetus by a cesarian section and taking it to another area to begin life. "In this way the mother does not have the opportunity to pass on any diseases," Jones said.

The piglets remain with their mothers for three weeks and are nursed by them. At this time students have the opportunity to process them. Processing includes clipping tails and teeth, giving shots of iron and docking the males.

After they are moved away into other pens the pigs will be continually attended until they are ready to go to market, usually in five months.

The project, which has proven effective throughout the Midwest, has three major benefits, according to Dr. Keith Hoopes, a professor in animal science. "By getting the pig to market earlier the farmers can save on feed," Hoopes said. "It has cut down on the death rate, and when people come to BYU to buy pigs they can be assured to get a disease free pig."

The farm has not always been kept

disease free though. Smith said they had to start the farm over once because some form of disease did get in and affect the pigs. Some of the ways mentioned by Smith that disease may get into the farm is by humans, dogs, birds and rats.

Smith hopes in the future more students will become interested in the SPF program, and with increased growth and participation, many new discoveries can be made and those who buy pork, bacon and ham from the grocery meat cases can be assured of receiving good quality products.



Universe photo by Robert Herries  
Dr. Lamont Smith explains to students the proper care of young "Specific Pathogenic Free" pigs at BYU's Spanish Fork farm.

# KBYU MORMON FESTIVAL OF ARTS PRESENTS TONIGHT

## BYU DEVOTIONAL

Pres. N. Eldon Tanner  
A special address on science and religion in conjunction with the dedication of the Monte L. Bean Life Sciences Museum.  
7:00 PM



## THE GUILTY

A new BYU film focusing on the roles that friends and family play in the process of repentance and forgiveness.  
7:45 PM



## THE MAILBOX

Although neighbors try to cheer a lonely elderly woman the help she really needs — a letter from her family — does not come.  
Winner of the 1977 Golden Eagle award.  
8:05 PM

## MOTHER CORN

Corn — It is more than a staff of life. Examine its significance in the life and religion of the Hopi people from pre-history to today.  
8:30 PM



11 KBYU  
TV PROVO



# Utah falcon population threatened



Universe photo by Dave Horton

A peregrine falcon sits proudly on a glove near his home in the Widtsoe Building. The Alaskan bird of prey is kept on campus for research purposes.

By LOREN WEBB  
Universe Staff Writer

Falcons are finding it more and more difficult to compete for living space as man continues to gobble-up the land with his homes and skyscrapers.

That's the opinion of Dr. Clayton White, associate professor of zoology and an ornithologist at BYU, who has been studying the peregrine falcon and its habits since 1951.

White has also researched falcons in Alaska since 1961. From 1968 to 1974 he studied the falcon in the Aleutian Islands to determine the impact the U.S. government's underground nuclear explosions have had on the falcons and other species of birds.

White said the U.S. exploded the largest underground nuclear device up to that time—a six-megaton spartan missile warhead in Alaska. He concluded that as long as the birds weren't at ground zero there was no damage done to their environment or to them.

During the past two years, White, along with two graduate students, has been studying the peregrine falcon in Australia.

The BYU scientist has been banding birds so they can keep track of the travel patterns. Banding the peregrine falcon can sometimes be difficult since the young are raised on hard-to-reach cliffs.

Peregrine means "wanderer" and the falcon is a cosmopolitan creature, traveling more widely than any other living animal, except man, White said.

Most falcons nest in either cliffs or trees but have even been found nesting in downtown New York City, Philadelphia, Sydney, Australia, Montreal, Canada and one bird was found nesting in a barrel in San Francisco.

Looking at the falcon on a worldwide scale, White and his students are interested in the bird's breeding cycles and the effect chlorinated hydrocarbons (DDT) have on the

birds in the northern hemisphere as opposed to the southern hemisphere.

White said the northern hemisphere is highly contaminated with these substances. This correlates with the lowered populations of falcons, as the food they eat has a high amount of hydrocarbons in it. As a result, the egg shells lack calcium, causing them to become thin and break when the mother sits on the eggs. The embryo then dies and consequently less falcons are being born.

The problem is trying to find where the hydrocarbons are accumulating and determine if the dosage is high enough to create harm.

White said his research on the migratory patterns of the peregrine falcons in Alaska and Greenland has shown they migrate as far as South America.

He said their populations are down one-fourth of what they were as late as 1965 because the eggs are now loaded with hydrocarbons. Their task, he said, was to find where the birds were getting it and simply to understand the biology of the species.

The falcon on the average lays three eggs and hatches two if the DDT content is not too high, White explained. The birds breed when they are about three years old and have two to three young a year.

On the Utah scene,

## ● Student searches for county's owls

(Con't from p. 35)

with an ASBYU fund of \$200, to carry out the project. The division is also investing in a \$4,000 starlight scope, which he will be using.

Pearson said one other current program he is aware of in the state is that being conducted by Dr. Karl Marti of Weber State University, who is researching the habitat needs and food requirements of the barn owl.

On some of the field trips to the canyons, Pearson said a few students from Provo High School would be accompanying him. He expressed the hope that if the public sighted any owls that they notify the BYU zoology department.

When he went back to school, the state agency asked if he would do some research on owls and gave him \$150, along

and end up not raising young. Colorado still has a good supply of peregrine falcons because they haven't contaminated the environment like we have along the Wasatch Front, White said.

Contamination in Utah has mainly been brought about by fruit orchard spraying and the spraying of marshes, White added. In 1952, Weber County alone had 10,000 acres sprayed and that was doubled in 1953. DDT has since been banned in Utah and these have been replaced by chemicals

which do not last as long.

White said he hopes the falcon situation could be reversed so birds can make a comeback or else increase the population through artificial breeding the birds then transplant them.

## YOUR FUTURE?

TIME TO MEET THE CHALLENGE...

NOW ENROLLING FOR APRIL

- LICENSED IN 1 YEAR
- IMMEDIATE PLACEMENT IN JOB OPPORTUNITY
- LUCRATIVE FINANCIAL REWARDS
- LEARN THE ART OF LOOKING BEAUTIFUL



CALL NOW  
**373-5585**



We Practice What We Preach... Beauty!

**MARY KAWAKAMI**  
**COLLEGE OF BEAUTY**

336 West Center, Provo  
Call 373-5585

## WE ARE HIRING

If you are looking for immediate responsibility and practical experience after graduation, consider the U.S. Navy. The Navy is seeking highly qualified, capable individuals for challenging positions as a Naval Officer. Interviews will be held for the following fields:

NUCLEAR PROPULSION  
NUCLEAR PROPULSION INSTRUCTOR  
ENGINEER CORPS: CE, ME, EE, CHE  
BUSINESS MANAGEMENT

LAW  
AVIATION  
MEDICINE  
NURSING

PLACE: BYU PLACEMENT CENTER  
DATE: MARCH 28 AND 29  
NAVY REP: LT. PAUL ROBERTS  
643 East 4th South  
Salt Lake City, Utah  
Phone: 524-4300 (collect)

# SALE

## Hear the Word in Music

LET THE SPIRIT  
MOVE YOU ON  
WORD RECORDS

**366**  
6.98 Mfrs.  
Sugg. List Price

ON  
SALE  
NOW!



9 o'clock til midnight 7 days a week  
**ODYSSEY**  
**RECORDS**  
AND TAPES

251 S. Main Street

## Quality Service...

The watchwords at  
**Allen Dry Cleaners**



Our employees are anxious to provide you with the service you expect.

Allen's Drive-In Cleaners was established nearly twenty years ago by Wayne Allen of Orem. It started with a much smaller operation run solely by Wayne and his wife Ana Lou.

It was the desire of the Allens to establish a quality business. The satisfied customers are proof of this quality and success. In August of 1977, F.T. Baird and sons, a family partnership, purchased this well established dry cleaning business. With the help of Mr. Allen, the Bairds learned the secret of dry cleaning success and quality service.

A certain electricity and excitement is evident as Fred Baird expresses his reasons for going into business as a family. "It is our desire to become self-sufficient, and this has been a golden opportunity."

Q. Why the dry cleaning business?  
A. We felt it was an opportunity to employ many of the family members.

Q. Why Allen's?  
A. For two reasons. First, we felt that they had established a good quality business with an excellent reputation and second, two of the family members were already employed there. We appreciate the loyal customers who have stayed with us through the transition period and invite any of you to come and partake of our quality service.

**Allen Drive-In  
Cleaners**

225-0501

556 S. State





James A. Jensen, "Dinosaur Jim," examines one of the large dinosaur bones kept in the earth science laboratory for student research instruction.

# 'Dinosaur Jim' pieces together ancient remains

By GARY L. CHRISTENSEN  
Universe Staff Writer

Finding and studying new and unknown animal life is part of the scientific progress being made in vertebrate paleontology research at BYU.

The Earth Science Preparation Laboratory, directed by Dr. James A. Jensen, is the site of the scientific research.

Jensen, better known as "Dinosaur Jim," is an internationally known expert in paleontology. He teaches students about scientific research techniques while they work on scientific problems Jensen discovers.

"We're investigating the layer of the earth's history that contains a record of fossil animals no one has ever seen before," Jensen said.

"Our objective is to learn more about how dinosaurs in the Jurassic period evolved into Cretaceous forms," he added.

Jensen is believed to have discovered more new or unknown varieties of Mesozoic vertebrate life than any other investigator in this hemisphere.

Dinosaur bones from Utah, Colorado, Montana and Wyoming are presently being studied by students at the research laboratory, Jensen said.

Francis Lisak, a student from Michigan City, Ind., said he came to BYU to do graduate work on vertebrate paleontology after reading an article about Jensen in a July 1974 issue of the Chicago Tribune Magazine.

Lisak, who did undergraduate work in biology and paleontology at Purdue University, is working on his master's thesis.

He is currently studying an Allosaurus found near Moab, Utah. "This Allosaurus is sufficiently different from other known species that it may be rendered a new species," He

said the differences lie mainly in the suture patterns.

Another student, Brooks Britt, is also working on the Allosaurus, preparing it for scientific study.

A sophomore majoring in geology, Britt got his start in paleontology one summer when he and a friend found some dinosaur bones in northeastern Utah.

The Puyallup, Wash., student said he did science projects in high school with the bones.

Michael Scheetz, a freshman majoring in earth science from Delta, Colo., has known Jensen since 1972 when his younger brother Rodney discovered the bones of a tiny dinosaur.

Michael, who has worked at the laboratory since September, said Jensen happened to be in Delta with some friends when the discovery was made.

The place where the dinosaur was found is now known as the Dry Mesa Quarry. Jensen invited the Scheetz brothers to work in the quarry in 1973.

Next summer both Scheetz brothers, along with Lisak and Britt, will work at two quarries with Jensen. They will explore for new materials and bring the materials to the laboratory to be prepared for scientific study.

Jensen said the research brings much publicity for BYU. Two documentaries have been made by Japanese and German companies about the paleontology research at BYU. Twenty-five million people in Austria, Switzerland and West Germany viewed the German documentary, Jensen said.

"These have been direct benefits to both the university and the LDS Church," he said.

Jensen says he has great success on his expeditions. "I never lose. I'm always winning. I always bring back some spectacular discovery," he said.



Michael Scheetz, a freshman from Delta, Colo., cleans a bone specimen before it is used for research in dinosaur evolution.

**Scottsdale Arizona  
Stake Students  
Dinner with Your  
Stake Presidency!  
Friday March 31, 1978  
4:30 p.m. Alumni House  
R.S.V.P. President Albert Choules  
or call Provo 5123 E. Calle Del Norte  
375-8196 Phoenix, Arizona 85018**

## Astronomers look to the stars

By SUSAN  
MAGNUSON  
Universe Staff Writer

Sarah Berrett perhaps atop the planetarium atop the Science Center built in 1952 by a Mrs. Hyrum B. Berrett in honor of her father, and since time is has stated much in astronomy, going to Dr. D. McNamara of Physics and Astronomy Department. McNamara said, only astronomers department are an investigation variation in the chemical composition and in our nearest galaxies that are in the southern

McNamara went to Chile last week to work on this.

"Results so far indicate that the small magellanic clouds are efficient in heavy elements relevant to the galaxy," he said. "The human body is ten percent carbon, which many people do not realize. Physically we are descendants of the stars."

"Heavy elements are made inside stars. The magellanic clouds, which have an abundance of heavy elements, are down very low and therefore you would not find people on planets circling the stars in the magellanic clouds."

"The pulsation properties (expansion and contraction of stars) helps determine each star's mass, temperature

and age group. Before recent studies, it was assumed that the metal-poor stars were all formed in the Milky Way 10 billion years ago. But now all indications are that metal-poor variable stars were formed as recently as two billion years ago."

Irvin G. Bassett of the Physics department said, "In 1965 approximately, the old equipment used in the planetarium was replaced with the new."

McNamara said, "The planetarium is used as a sophisticated demonstration for observation science. It serves a passive role of observing what is up there; looking at the stars and galaxies. The telescope is a research instrument

and is used in investigations."

He said although the telescope is used in investigations, it is also used as a teaching device. "The research program at BYU utilizes the telescope in combination with the photometer, spectrophotograph, and photographic plates of stellar objects."

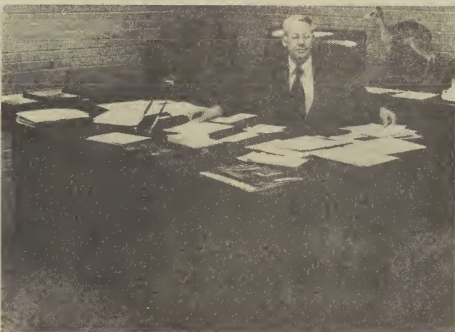
McNamara said, "BYU utilizes the telescope located in the west dome of the ESC. We also utilize the large telescopes at Hale Observatory in California, Kitt Peak National Observatory in Arizona, and Cerro Tololo Observatory in Chile."

"These observatories provide larger instruments for working on very faint objects.

Smaller telescopes like the one used here are for working on brighter objects," McNamara said.

Bassett said, "Some physics courses utilize the planetarium for tours, as well as other interested groups. There are regular monthly shows with admission 25 cents for students and 50 cents for adults. The next show, to begin April 13, is entitled "Astrology and Astronomy." It will be given by Kent A. Feltz Jr., who is presently working on his Ph.D. He will discuss relations between astro physics and the pseudo-science of astrology."

On May 11 "Exploring the Planets" will be given by Douglas E. Jones of the physics and astronomy department.



**We're proud to supply the desk of  
Wilmer Tanner, Director of the new  
Monte L. Bean Life Sciences Museum.**

**Looking for quality  
office furniture?  
See us today.**

**UTAH  
373-2430  
377-5170  
225-9529  
489-7469**



**OFFICE SUPPLY  
595 So. University, Provo  
69 East Center, Provo  
748 South State, Orem  
191 So. Main, Springville**

## Heaps has graduated to fine family dining



Heaps has been around for as long as most of us can remember. Back in 1956, Kent Heaps converted what was a corner cafe into one of Provo's first pizza parlors. A contest determined its name - Heaps of Pizza.

At one time or another, Heaps has been everyone's favorite "hangout" or "first date" or "family treat" in Provo. Almost a landmark, you might say.

Remember Stadium Lunch, Duffey Cleaners, Stadium Market and the Campus Barber Shop all on the corner of 150 East 800 North? They have all given way to Heaps 21 years of growth and expansion.

And naturally, along with growth comes change. For the better. Heaps, once a pizza parlor, has evolved into a popular restaurant still specializing in heart-baked pizza along with other Old World baked goods. Like

our Deep Dish Lasagna and our home-baked breads that are the beginning of a delectable selection of sandwiches.

We can't keep all that to ourselves. Today, Heaps is more than a pizza parlor. Heaps has graduated to fine family dining. And, along with the commencement comes a new name. A more appropriate name. A name sure to ring as warm and memorable as Heaps of Pizza has all these years. Heaps Brick Oven Restaurant.



**Heaps Brick Oven Restaurant  
150 East 800 North Provo**



**17 A COMPANION TO YOUR STUDY OF THE BOOK OF MORMON**  
by Daniel H. Ludlow  
\$6.95 Sale \$3.00

**18 JOSEPH SMITH, MARTYR, PROPHET OF GOD**  
by Francis M. Gibbons  
\$5.95 Sale \$4.00

**19 MISSIONARY BIBLE, MB1**  
\$71.00 Sale \$13.00  
Unindexed

**BOOK OF MORMON**  
(Vest Pocket, black or brown)  
\$3.95 Sale \$2.75  
20 Black  
21 Brown

**22 TODAY I SAW A PROPHET**  
by Kathleen Barnes and Virginia Pearce  
\$4.95 Sale \$2.00

**23 AARONIC PRIESTHOOD**  
by Oscar W. McConkie, Jr.  
\$4.95 Sale \$2.00

**24 GOD, FAMILY, COUNTRY**  
by Ezra Taft Benson  
\$5.95 Sale \$2.00

**GOSPEL TRUTH**  
Discourses and Writings of President George Q. Cannon  
Compiled by Jerrold L. Newquist  
25 Vol. 1 \$5.95 Sale \$2.50  
26 Vol. 2 \$5.95 Sale \$2.50

# APRIL CONFERENCE SALE

- 27 America, America, America, Record Regular \$5.00 Sale \$3.50

28 American Heritage of Freedom Regular 75¢ Sale 50¢

29 Atonement of Jesus Christ, paper Regular \$2.98 Sale 75¢

31 Conference Report, October 1974 Regular \$2.00 Sale 50¢

32 Conference Report, April 1975 Regular \$2.00 Sale 50¢

33 Conference Report, October 1975 Regular \$2.00 Sale 50¢

34 Conference Report, October 1976 Regular \$2.00 Sale 50¢
- 35 Conference Report, April 1977 Regular \$2.00 Sale 50¢

36 Conference Report, Munich Area 1973 Regular \$2.00 Sale 50¢

37 Discourse Cameos Regular 75¢ Sale 35¢

38 Formation of the Book of Mormon Plates Regular 25¢ Sale 15¢

39 God's Hand in the Founding of America Regular \$1.00 Sale 50¢

40 The Great Prologue Regular \$4.95 Sale \$2.00

41 Hyrum Smith, Patriarch Regular \$6.95 Sale \$3.00
- 42 Journal, 3 Ring, Brown Regular \$6.95 Sale \$3.95

43 Marriage and Divorce Regular \$2.95 Sale \$1.00

44 Please Tell Me, Gospel Questions Children Ask Regular \$4.95 Sale \$3.00

45 A Singular Life Regular \$3.50 Sale \$1.25

46 The Smallest Part Regular \$4.95 Sale \$1.50

47 Speaking of Children Regular \$5.95 Sale \$1.00

48 Talks for Tots, Vol. 2 Regular \$3.95 Sale \$2.00
- 49 Tithing: The Lord's Law Regular \$4.95 Sale \$1.25

50 Today's Family Regular \$3.95 Sale \$1.25

51 Twelve Mormon Homes Regular \$5.95 Sale \$1.00

52 Virtue Makes Sense Regular \$3.95 Sale \$2.00

53 The World and the Prophets Regular \$5.95 Sale \$3.00

54 When the Lights Went Out Regular \$1.95 Sale 75¢

55 With Love Mother Regular 75¢ Sale 25¢

**57 UTAH: A HISTORY**  
Charles S. Peterson  
Regular \$8.95  
Sale \$6.50  
This is a challenging and moving story by the former director of the Utah State Historical Society

**58 THE MORMON WAY**  
James A. Warner  
Styve M. Slade  
Regular \$75.00  
Sale \$12.95  
A beautiful and informative celebration of the Mormon way of life, featuring elegant full-page, full-color photos

**68 GNOMES**  
W. H. Hargrett  
Full color illustrations by Rien Poortvliet  
Regular \$17.50  
Sale \$12.50  
A book full of lore, history and fun that tells you everything you've always wanted to know about the little people

**69 THE COMPLETE BOOK OF RUNNING**  
James F. Frazer  
Regular \$10.00  
Sale \$7.50  
The national best seller is virtually an encyclopedia covering every aspect of running

**72 SUCCESSFUL HOME GARDENING**  
E. Gordon Wells, Jr.  
Regular \$4.95  
Sale \$3.25  
This is a delightful how-to book that everyone who grows a garden will enjoy and benefit from

**MY TURN ON EARTH**  
Regular \$9.50 Sale \$6.95  
73 LP \$9.50 \$6.95  
74 Cassette 9.50 6.95  
75 8-Track 9.50 6.95  
76 Book 4.95 3.50

**THE HIDDEN STAIRCASE**  
Nancy Drew Mysteries  
Carolyn Keene  
Regular \$7.95 each  
Sale \$1.50 each  
58 Secret of the Old Clock  
59 Hidden Staircase  
60 Bungalow Mystery  
61 Mystery at Lilac Inn  
62 Secret of the Old Ranch

**HARDY BOYS MYSTERIES**  
F. W. Dixon  
Regular \$2.95 each  
Sale \$1.50 each  
63 Tower Treasure  
64 House on the Cliff  
65 Secret of the Old Mill  
66 Missing Chums  
67 Hunting for Hidden Gold

**70 MY BOOK ABOUT ME**  
Dr. Seuss & Roy McKie  
Regular \$3.95  
Sale \$2.95  
A beginning reader

**71 HORTON HATCHES THE EGG**  
Dr. Seuss  
Regular \$3.95  
Sale \$2.95

**77 THE CAT IN THE HAT**  
Dr. Seuss  
Regular \$3.50  
Sale \$2.25  
A beginning reader

**78 GREEN EGGS AND HAM**  
Dr. Seuss  
Regular \$3.50  
Sale \$2.25  
A beginning reader

**79 LINES TO LIVE BY**  
Compiled by Christy T. H. Hall  
Regular \$6.95  
Sale \$4.95

**80 ROOTS**  
Alex Haley  
Paperback Edition  
Regular \$7.75  
Sale \$1.95

Sale prices effective March 27 through April 15, 1978, or while supplies last!

44 EAST SOUTH TEMPLE  
P.O. BOX 659  
SALT LAKE CITY, UT 84110  
(801) 328-8191

Cottonwood Mall  
4835 Highland Drive  
Salt Lake City, UT 84117  
(801) 278-2651

University Mall  
Space #E 87  
Orem, UT 84057  
(801) 224-0055

Fashion Place Mall  
6200 South State  
Murray, UT 84107  
(801) 268-3575

Valley Fair Mall  
3601 South 2700 West  
Granger, UT 84119  
(801) 969-6288

Town & Country  
777 South #4  
Orange, CA 92668  
(714) 835-7505

Northridge Fashion Center  
9301 Tampa Ave  
Northridge, CA 91324  
(213) 993-8825

Cache Valley Mall  
1300 North Main  
Logan, UT 84321  
(801) 752-0033

Save time and fuss,  
call us and place your order  
over the phone

Locally call  
328-8191

In Utah call toll free  
(800) 662-4323  
Outside of Utah call  
(800) 453-4532

Call us - toll-free from anywhere  
in the continental U.S. We offer  
SAME DAY SERVICE (within 8  
working hours) Our order desk is  
open from 8:30 am to 8:30 pm  
Monday and Friday, 8:30 am  
to 6:00 pm other days including  
Saturday, Mountain Standard  
Time.

PARCEL POST WITHIN U.S.	
Amount of Purchase	Postage
\$1-\$10.00	\$1.00
\$11-\$20.00	\$1.50
\$21-\$30.00	\$2.00
\$31-\$40.00	\$2.50
\$41-\$50.00	\$3.00
\$51-\$60.00	\$3.50
\$61-\$70.00	\$4.00
\$71-\$80.00	\$4.50
\$81-\$90.00	\$5.00
\$91-\$100.00	\$5.50

#### SALES TAX

Utah residents add 4.71%	
Idaho residents add 4.71%	
Calif. residents add 4.71%	
Other states add 4.71%	

#### INSURANCE

\$1-\$10.00	\$1.00
\$11-\$20.00	\$1.50
\$21-\$30.00	\$2.00
\$31-\$40.00	\$2.50
\$41-\$50.00	\$3.00
\$51-\$60.00	\$3.50
\$61-\$70.00	\$4.00
\$71-\$80.00	\$4.50
\$81-\$90.00	\$5.00
\$91-\$100.00	\$5.50

Does not include  
Air Mail - 1st Class - Foreign

#### MAIL ORDER SERVICE

Order From: DESERET BOOK Personal Shopping Service  
P.O. Box 659 Salt Lake City, Utah 84110 (801) 328-8191

Please circle number(s) of items you wish to purchase

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Total amount enclosed \_\_\_\_\_ Paid by: ☐ Check ☐ Money Order  
☐ BankAmericard ☐ Master Charge ☐ Deseret Book Charge

Account or Bank Card number \_\_\_\_\_ Exp. date \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

# Deseret Book